

Converting Colors

XYZ(76.9373, 88.5630, 75.9901)

Have a look what the booklet for
XYZ(76.9373, 88.5630, 75.9901)
contains.

XYZ(76.9373, 88.5630, 75.9901) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 28

CSS Examples 31

Color

**XYZ(76.9373, 88.5630,
75.9901)**

Conversions

Conversions Part 1

Format	Color
Hex	E1F9D5
RGB	225, 249, 213
RGB Percent	88%, 98%, 84%
CMY	0.1176, 0.0235, 0.1647
CMYK	0.10, 0.00, 0.14, 0.02
HSL	100°, 75%, 91%
HSV	100°, 14%, 98%
XYZ	76.9373, 88.5630, 75.9901
YIQ	237.7200, -2.7480, -16.2840

Conversions

Conversions Part 2

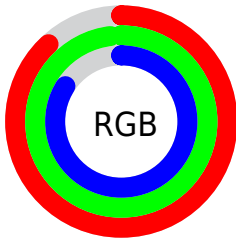
Format	Color
R_YB	213, 249, 237
Decimal	14809557
CIE _{Lab}	95.40, -14.18, 14.66
CIE _{LCh}	95, 20.396, 134.043
Yxy	88.5630, 0.3186, 0.3667
Android (android.graphics.Color)	4292999637 (0xFFE1F9D5)
YUV	237.7200, -12.1870, -11.1554
Hunter-Lab	94.1079, -18.7574, 18.0002

Details

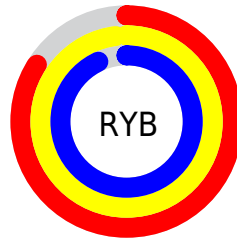
The XYZ color **76.9373, 88.5630, 75.9901** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **75.8216, 72.4350, 99.6122**, and the grayscale version is **81.1463, 85.3723, 92.9704**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8191, 49.1546, 39.6314** is the 20% darker color. If you saturate the color by 10%, you get **69.0905, 84.8580, 60.3720**, and if you desaturate by 10%, it is **85.7775, 92.7292, 94.1914**.

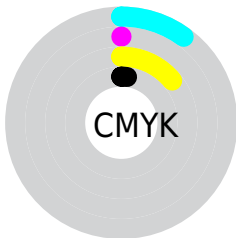
Distribution



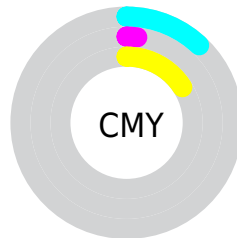
- Red (88%)
- Green (98%)
- Blue (84%)



- Red (84%)
- Yellow (98%)
- Blue (93%)



- Cyan (10%)
- Magenta (0%)
- Yellow (14%)
- Black (2%)



- Cyan (12%)
- Magenta (2%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9373, 88.5630, 75.9901 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 76.9373, 88.5630, 75.9901 by changing the saturation by 10% instead.

76.9373, 88.5630,
75.9901

76.9373, 88.5630,
75.9901

473.4454,
523.3452, 500.6597

57.5012, 66.7894,
55.9178

128.0243,
145.3407, 129.4729

41.6494, 48.9135,
39.7335

160.4058,
181.1137, 163.7204

29.0168, 34.5509,
27.0186

197.8332,
222.3218, 203.5301

19.2379, 23.3171,
17.3546

240.6718,
269.3496, 249.3205

11.9473, 14.8278,
10.3230

289.2870,
322.5815, 301.5101

6.7798, 8.6987,
5.5053

344.0441,

3.3698, 4.5452,

382.4018, 360.5175

2.4828

405.3085,
449.1949, 426.7612

■ 1.3522, 1.9829,
0.8310

■ 0.2218, 0.5975,
0.0000

■ 76.9373, 88.5630,
75.9901

■ 76.9373, 88.5630,
75.9901

■ 69.0905, 84.8580,
60.3720

■ 85.7775, 92.7292,
94.1914

■ 62.1935, 81.5865,
47.2146

■ 93.1674, 96.2348,
108.2725

■ 56.2100, 78.7353,
36.3937

■ 51.0985, 76.2857,
27.7725

■ 46.8139, 74.2179,
21.1994

■ 43.3062, 72.5100,
16.5042

■ 40.5196, 71.1373,
13.4886

■ 38.3878, 70.0710,
11.9101

■ 37.4438, 69.5934,
11.4594

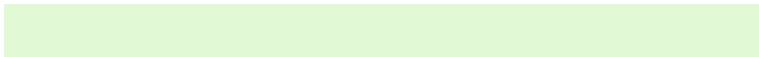
Harmonies

Analogous

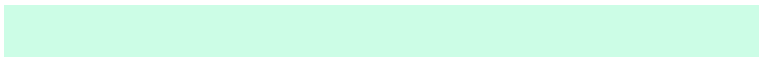
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6004, 88.5630, 69.5922



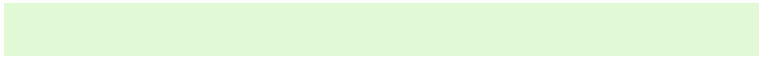
76.9373, 88.5630, 75.9901



74.2785, 88.5630, 88.2285

Triad

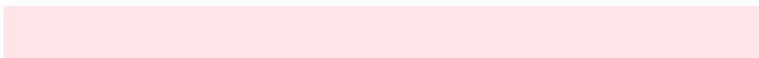
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9373, 88.5630, 75.9901



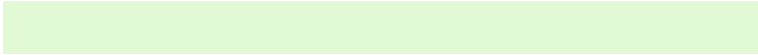
81.2618, 88.5630, 129.0855



95.0174, 88.5630, 89.1662

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



76.9373, 88.5630, 75.9901



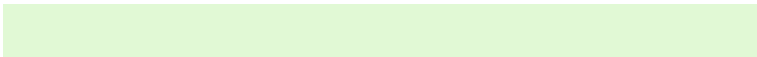
75.8216, 72.4350, 99.6122

Split Complementary

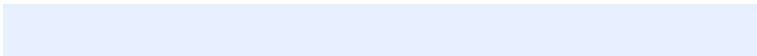
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.9169, 88.5630, 105.1248



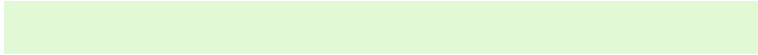
76.9373, 88.5630, 75.9901



86.8062, 88.5630, 129.4084

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



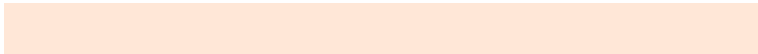
76.9373, 88.5630, 75.9901



76.6989, 88.5630, 119.4024



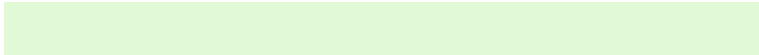
91.8561, 88.5630, 120.2413



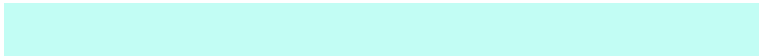
92.1250, 88.5630, 76.6110

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.9373, 88.5630, 75.9901



73.9233, 88.5630, 98.6122



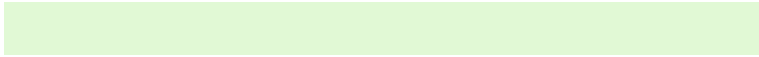
91.8561, 88.5630, 120.2413



95.3364, 88.5630, 94.2804

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



76.9397, 88.5668, 75.9920



90.9931, 98.0933, 100.3643



81.3649, 85.5159, 75.1699



19.3171, 20.9212, 21.1494



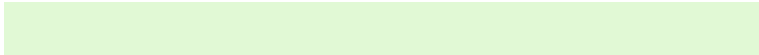
0.0000, 0.0000, 0.0000



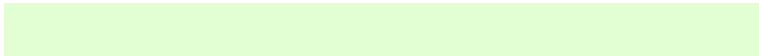
20.3446, 21.4041, 23.3091

Same Dimension

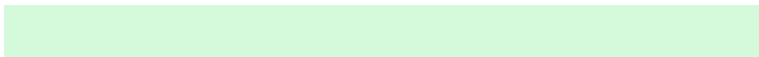
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9397, 88.5668, 75.9920



78.9943, 92.4404, 75.7355



74.1051, 87.0159, 79.9096



17.5624, 19.5902, 18.3180



20.1761, 37.3194, 6.1400



1.9761, 3.5118, 0.5737

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



75.8216, 72.4350, 99.6122



77.6290, 72.7542, 104.5592



79.0421, 74.2016, 94.9544



17.3981, 17.2179, 21.7917



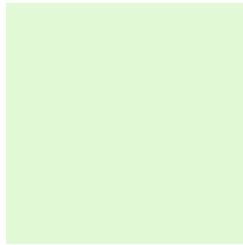
17.7288, 8.0822, 48.5992



1.7543, 0.8065, 4.5064

Previews

White Background



This preview shows how the XYZ color 76.9373, 88.5630, 75.9901 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 76.9373, 88.5630, 75.9901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

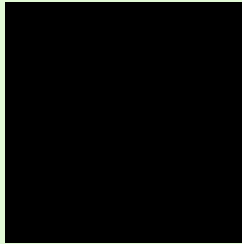
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

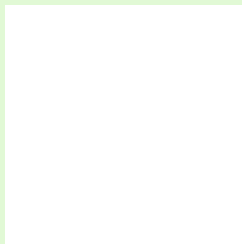
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.9373, 88.5630, 75.9901

Background



This preview shows how black text looks on a background with the XYZ color 76.9373, 88.5630, 75.9901.



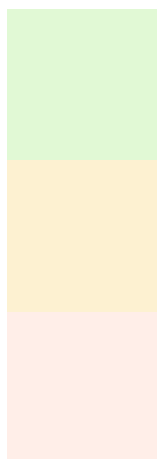
This preview shows how white text looks on a background with the XYZ color 76.9373, 88.5630,

75.9901.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

76.9373, 88.5630, 75.9901

Protanopia

83.4719, 88.3967, 72.9844

Deuteranopia

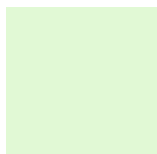
86.3800, 88.2353, 88.8223



Tritanopia

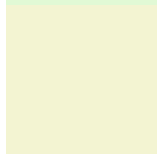
84.3942, 88.5571, 107.2529

Trichromacy



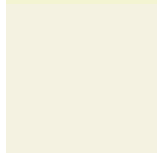
Original Color

76.9373, 88.5630, 75.9901



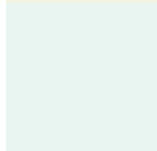
Protanomaly

80.9457, 88.4092, 73.7712



Deuteranomaly

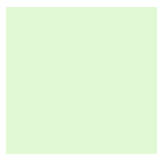
82.6510, 88.1736, 83.8972



Tritanomaly

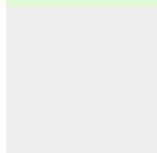
81.6593, 88.7519, 95.2650

Monochromacy



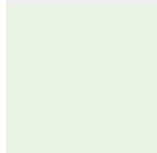
Original Color

76.9373, 88.5630, 75.9901



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.4993, 86.4850, 86.6320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9373, 88.5630, 75.9901 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(225, 249, 213)` looks like.

```
.text, #text, p{  
    color:rgb(225, 249, 213)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(225, 249, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 249, 213) }
```

Border

The CSS property to change the border of an element to XYZ 76.9373, 88.5630, 75.9901 is called "border". The border property can be set on classes, ids or directly on the HTML element.

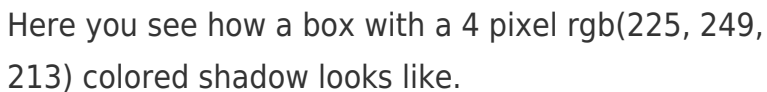
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(225, 249, 213) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(225, 249, 213) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(225, 249, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 249, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 249, 213); box-shadow:4px 4px 4px 4px rgb(225, 249, 213) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9373, 88.5630, 75.9901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 249, 213) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(225,  
249, 213) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor