

Converting Colors

XYZ(76.0124, 89.3787, 65.8604)

Have a look what the booklet for
XYZ(76.0124, 89.3787, 65.8604)
contains.

XYZ(75.9393, 89.1943, 66.0371)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(75.9393, 89.1943,
66.0371)**

Conversions

Conversions Part 1

Format	Color
Hex	E2FBC5
RGB	226, 251, 197
RGB Percent	89%, 98%, 77%
CMY	0.1137, 0.0157, 0.2274
CMYK	0.10, 0.00, 0.22, 0.02
HSL	88°, 87%, 88%
HSV	88°, 22%, 98%
XYZ	75.9393, 89.1943, 66.0371
YIQ	237.3690, 2.4340, -22.0940

Conversions

Conversions Part 2

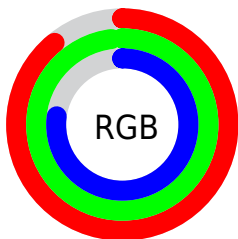
Format	Color
RYB	197, 251, 222
Decimal	14875589
CIELab	95.66, -17.34, 23.23
CIELCh	96, 28.986, 126.745
Yxy	89.1943, 0.3285, 0.3858
Android (android.graphics.Color)	4293065669 (0xFFE2FBC5)
YUV	237.3690, -19.9019, -9.9706
Hunter-Lab	94.4427, -21.7469, 24.6526

Details

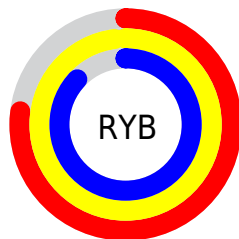
The XYZ color **75.9393, 89.1943, 66.0371** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.5065, 62.4295, 99.7636**, and the grayscale version is **80.9300, 85.1447, 92.7225**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **40.8273, 49.1128, 33.3145** is the 20% darker color. If you saturate the color by 10%, you get **69.7783, 86.3260, 51.9651**, and if you desaturate by 10%, it is **82.8310, 92.3893, 82.6467**.

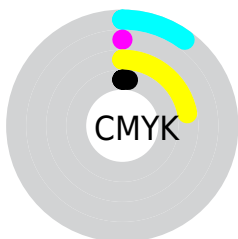
Distribution



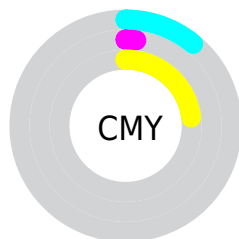
- Red (89%)
- Green (98%)
- Blue (77%)



- Red (77%)
- Yellow (98%)
- Blue (87%)



- Cyan (10%)
- Magenta (0%)
- Yellow (22%)
- Black (2%)





- Cyan (11%)
- Magenta (2%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.9393, 89.1943, 66.0371 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 75.9393, 89.1943, 66.0371 by changing the saturation by 10% instead.


 75.9393, 89.1943,
66.0371

 75.9393, 89.1943,
66.0371


470.0875,
525.4064, 464.9174

 56.6796, 67.3126,
47.8458


126.6219,
146.2187, 115.1671

 40.9872, 49.3387,
33.3457


158.7756,
182.1303, 146.9429

 28.4967, 34.8882,
22.1181

195.9579,
223.4872, 184.0840

 18.8428, 23.5768,
13.7446

238.5343,
270.6739, 227.0089

 11.6601, 15.0200,
7.8065

286.8701,
324.0747, 276.1361

 6.5832, 8.8334,
3.8854

341.3306,

 3.2468, 4.6327,

384.0742, 331.8843

1.5627

402.2813,
451.0566, 394.6718

■ 1.2856, 2.0334,
0.2640

■ 0.1724, 0.6268,
0.0000

■ 75.9393, 89.1943,
66.0371

■ 75.9393, 89.1943,
66.0371

■ 69.7783, 86.3260,
51.9651

■ 82.8310, 92.3893,
82.6467

■ 64.3123, 83.7607,
40.2998

■ 90.4732, 95.9107,
101.9044

■ 59.5131, 81.4896,
30.9076

■ 93.7890, 97.4779,
108.4797

■ 55.3473, 79.4985,
23.6393

■ 51.7777, 77.7722,
18.3282

■ 48.7625, 76.2932,
14.7822

■ 46.2521, 75.0409,
12.7707

■ 44.4562, 74.1311,
11.9656

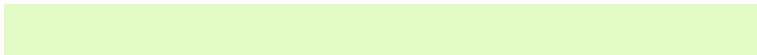
Harmonies

Analogous

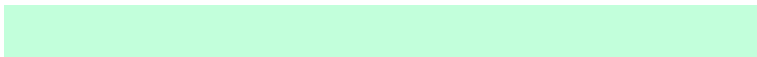
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9903, 89.1943, 59.7434



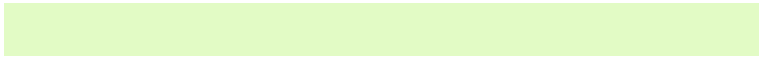
75.9393, 89.1943, 66.0371



71.4683, 89.1943, 80.8070

Triad

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



75.9393, 89.1943, 66.0371



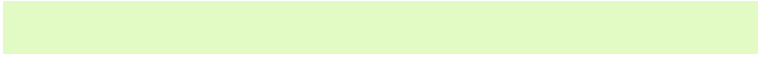
78.8716, 89.1943, 143.2522



100.9153, 89.1943, 92.0559

Complementary

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



75.9393, 89.1943, 66.0371



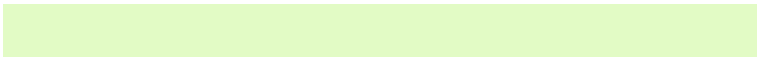
67.5065, 62.4295, 99.7636

Split Complementary

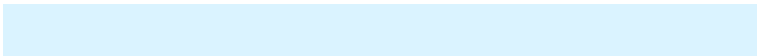
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.6420, 89.1943, 115.4871



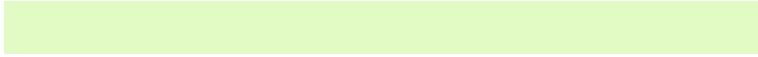
75.9393, 89.1943, 66.0371



86.5882, 89.1943, 147.5185

Square

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



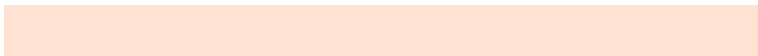
75.9393, 89.1943, 66.0371



73.0857, 89.1943, 125.7955



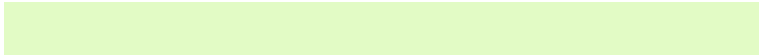
94.2740, 89.1943, 136.6793



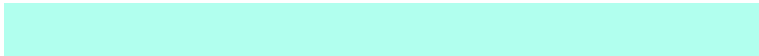
97.6519, 89.1943, 73.1670

Rectangle

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



75.9393, 89.1943, 66.0371



70.3853, 89.1943, 94.6478



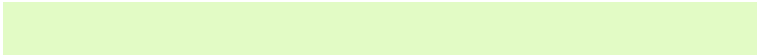
94.2740, 89.1943, 136.6793



101.0066, 89.1943, 99.6296

Sweetspot

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



75.9416, 89.1982, 66.0390



90.1252, 97.7345, 96.3192



75.8007, 76.4151, 63.5791



19.1795, 20.8681, 20.3363



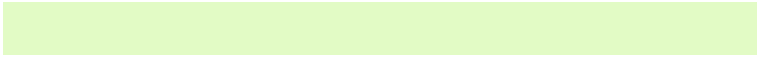
0.0000, 0.0000, 0.0000



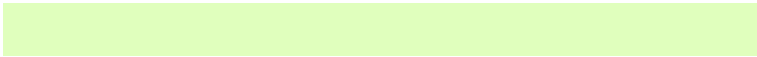
20.3446, 21.4041, 23.3091

Same Dimension

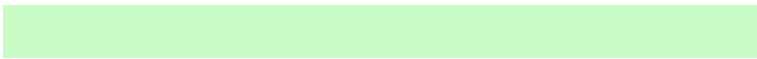
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.9416, 89.1982, 66.0390



75.7469, 91.0767, 61.5608



68.3172, 85.2677, 65.6822



17.9077, 19.7682, 18.3342



23.5368, 39.0520, 6.2973



2.3023, 3.6800, 0.5890

Inverse Universe

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



67.5065, 62.4295, 99.7636



65.5164, 58.6081, 102.4672



76.2001, 66.9112, 100.1705



17.0469, 17.0368, 21.7753



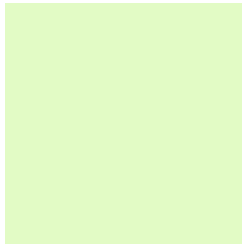
13.1180, 5.7053, 48.3834



1.3359, 0.5907, 4.4868

Previews

White Background



This preview shows how the XYZ color 75.9393, 89.1943, 66.0371 looks on a white background.

Color Contrast Check

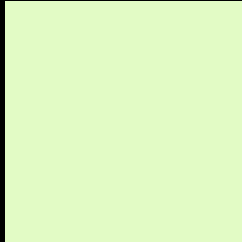
Large Text (above 18pt) WCAG AA × Fail

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 75.9393, 89.1943, 66.0371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

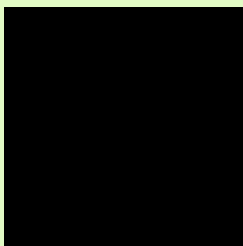
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

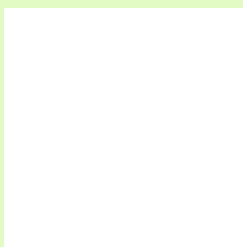
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.9393, 89.1943, 66.0371

Background



This preview shows how black text looks on a background with the XYZ color 75.9393, 89.1943, 66.0371.

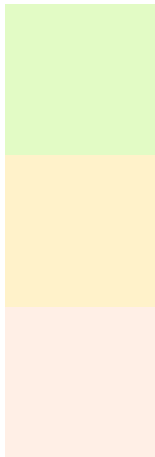


This preview shows how white text looks on a background with the XYZ color 75.9393, 89.1943,

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

75.9393, 89.1943, 66.0371

Protanopia

83.6528, 89.0285, 68.6524

Deuteranopia

86.3894, 88.7062, 87.4317



Tritanopia

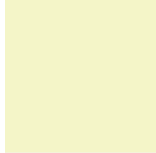
85.0620, 88.9014, 107.2842

Trichromacy



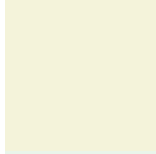
Original Color

75.9393, 89.1943, 66.0371



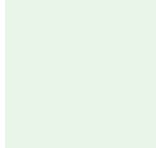
Protanomaly

80.3860, 88.7080, 67.5292



Deuteranomaly

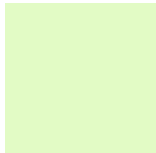
82.0137, 88.3962, 79.0693



Tritanomaly

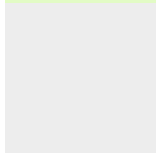
81.4354, 88.7378, 90.6779

Monochromacy



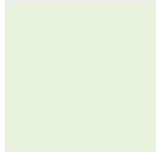
Original Color

75.9393, 89.1943, 66.0371



Achromatopsia

80.4953, 84.6873, 92.2245



Achromatomaly

78.5412, 86.1018, 81.5870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.9393, 89.1943, 66.0371 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(226, 251, 197)` looks like.

```
.text, #text, p{  
    color:rgb(226, 251, 197)  
}
```

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(226, 251, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 251, 197) }
```

Border

The CSS property to change the border of an element to XYZ 75.9393, 89.1943, 66.0371 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(226, 251, 197) }
```


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

```
.border{ border-color:rgb(226, 251, 197) }
```

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

Here you see how a box with a 4 pixel rgb(226, 251, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 251, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 251, 197);  
box-shadow:4px 4px 4px 4px rgb(226, 251,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 75.9393, 89.1943, 66.0371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 251, 197) }
```

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

```
.background{ background-color: rgb(226,  
251, 197) }
```

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