

Converting Colors

XYZ(74.6133, 84.2517, 77.3383)

Have a look what the booklet for
XYZ(74.6133, 84.2517, 77.3383)
contains.

XYZ(74.5782, 84.1501, 77.2776)	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(74.5782, 84.1501,
77.2776)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF2D8
RGB	223, 242, 216
RGB Percent	87%, 95%, 85%
CMY	0.1255, 0.0510, 0.1529
CMYK	0.08, 0.00, 0.11, 0.05
HSL	104°, 50%, 90%
HSV	104°, 11%, 95%
XYZ	74.5782, 84.1501, 77.2776
YIQ	233.3550, -2.9780, -12.1140

Conversions

Conversions Part 2

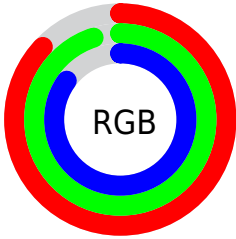
Format	Color
R _Y B	216, 242, 235
Decimal	14676696
CIE Lab	93.52, -10.88, 10.42
CIE LCh	94, 15.065, 136.237
Yxy	84.1501, 0.3160, 0.3566
Android (android.graphics.Color)	4292866776 (0xFFDFF2D8)
YUV	233.3550, -8.5560, -9.0813
Hunter-Lab	91.7334, -15.4149, 14.2665

Details

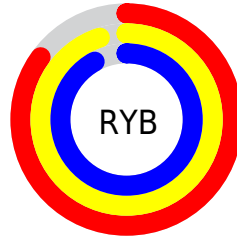
The XYZ color **74.5782, 84.1501, 77.2776** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.8471, 73.1870, 94.1904**, and the grayscale version is **77.7856, 81.8365, 89.1199**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.1404, 46.0159, 40.4845** is the 20% darker color. If you saturate the color by 10%, you get **66.5100, 80.3285, 61.7533**, and if you desaturate by 10%, it is **83.6812, 88.4568, 95.2592**.

Distribution



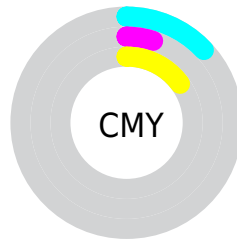
- Red (87%)
- Green (95%)
- Blue (85%)



- Red (85%)
- Yellow (95%)
- Blue (92%)



- Cyan (8%)
- Magenta (0%)
- Yellow (11%)
- Black (5%)





- Cyan (13%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.5782, 84.1501, 77.2776 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 74.5782, 84.1501, 77.2776 by changing the saturation by 10% instead.


 74.5782, 84.1501,
77.2776

 74.5782, 84.1501,
77.2776


465.4861,
508.8116, 505.1728

 55.5604, 63.1394,
56.9678


124.7062,
139.1851, 131.3079

 40.0862, 45.9540,
40.5702


156.5471,
173.9782, 165.8654

 27.7902, 32.2095,
27.6662

193.3930,
214.1342, 206.0093

 18.3072, 21.5216,
17.8374

235.6094,
260.0375, 252.1581

 11.2718, 13.5058,
10.6651

283.5615,
312.0725, 304.7303

 6.3186, 7.7777,
5.7308

337.6148,

 3.0823, 3.9531,

370.6235, 364.1444

2.6159

398.1345,
436.0751, 430.8191

■ 1.1974, 1.6473,
0.9007

■ 0.1043, 0.3892,
0.0000

■ 74.5782, 84.1501,
77.2776

■ 74.5782, 84.1501,
77.2776

■ 66.5100, 80.3285,
61.7533

■ 83.6812, 88.4568,
95.2592

■ 59.4321, 76.9641,
48.5742

■ 91.0438, 91.9876,
107.5646

■ 53.3071, 74.0425,
37.6278

■ 48.0923, 71.5444,
28.7904

■ 43.7417, 69.4490,
21.9258

■ 40.2050, 67.7337,
16.8823

■ 37.4258, 66.3733,
13.4858

■ 35.3396, 65.3390,
11.5284

■ 33.9431, 64.6362,
10.6871

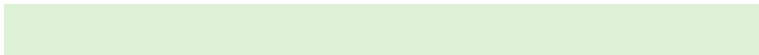
Harmonies

Analogous

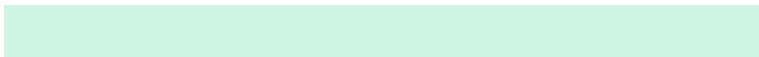
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8600, 84.1501, 72.1406



74.5782, 84.1501, 77.2776



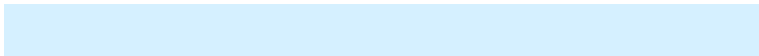
72.7725, 84.1501, 86.5060

Triad

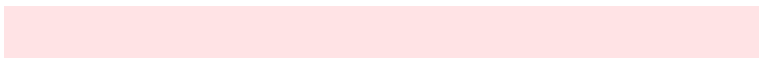
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.5782, 84.1501, 77.2776



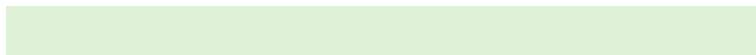
78.1741, 84.1501, 114.6199



87.5620, 84.1501, 85.6288

Complementary

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



74.5782, 84.1501, 77.2776



74.8471, 73.1870, 94.1904

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.



87.6529, 84.1501, 96.9424



74.5782, 84.1501, 77.2776



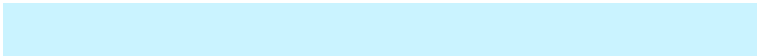
82.1425, 84.1501, 114.3357

Square

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



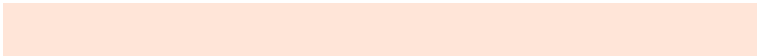
74.5782, 84.1501, 77.2776



74.8015, 84.1501, 108.3941



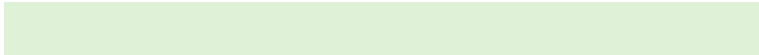
85.6410, 84.1501, 107.6470



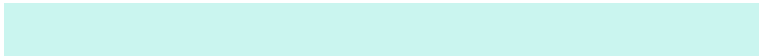
85.3966, 84.1501, 76.6815

Rectangle

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



74.5782, 84.1501, 77.2776



72.6087, 84.1501, 94.0284



85.6410, 84.1501, 107.6470



87.8386, 84.1501, 89.2632

Sweetspot

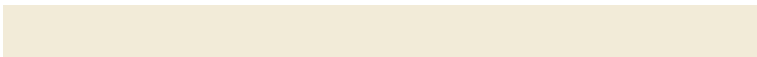
The Sweet Spot groups the original color and five complimentary colors.



74.5805, 84.1537, 77.2794



91.8155, 98.4720, 102.4469



78.6195, 83.0457, 76.8527



19.4712, 20.9915, 21.5681



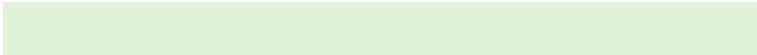
0.0000, 0.0000, 0.0000



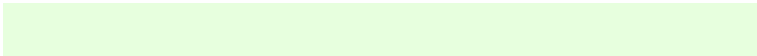
20.3446, 21.4041, 23.3091

Same Dimension

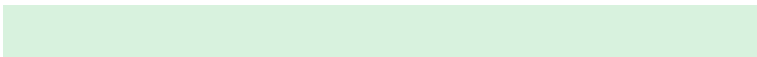
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.5805, 84.1537, 77.2794



81.8065, 93.7371, 82.7833



73.2093, 83.3612, 81.0835



15.9650, 17.8621, 16.7560



18.3445, 34.7785, 5.7461



1.6177, 2.9405, 0.4823

Inverse Universe

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



74.8471, 73.1870, 94.1904



82.1645, 78.9897, 105.5237



76.3705, 74.0686, 89.9116



16.0151, 15.8050, 19.9282



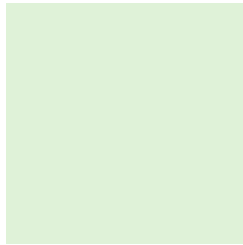
18.4701, 8.5271, 45.8003



1.6307, 0.7579, 3.8146

Previews

White Background



This preview shows how the XYZ color 74.5782, 84.1501, 77.2776 looks on a white background.

Color Contrast Check

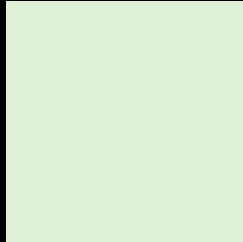
Large Text (above 18pt) WCAG AA × Fail

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 74.5782, 84.1501, 77.2776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

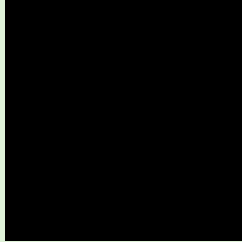
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

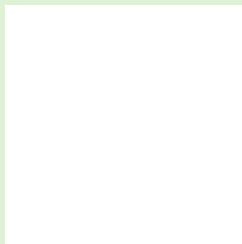
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 74.5782, 84.1501, 77.2776

Background



This preview shows how black text looks on a background with the XYZ color 74.5782, 84.1501, 77.2776.



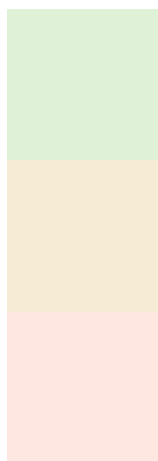
This preview shows how white text looks on a background with the XYZ color 74.5782, 84.1501,

77.2776.

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

74.5782, 84.1501, 77.2776

Protanopia

79.5980, 83.7630, 74.2600

Deuteranopia

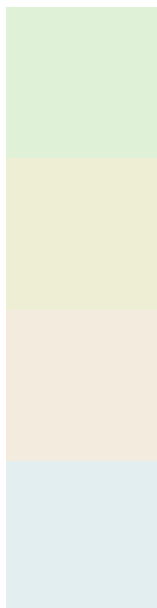
83.4065, 83.8481, 83.0225



Tritanopia

80.3586, 83.8689, 106.5607

Trichromacy



Original Color

74.5782, 84.1501, 77.2776

Protanomaly

77.8447, 84.1303, 75.0867

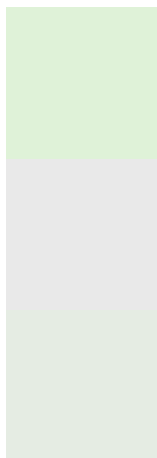
Deuteranomaly

79.8553, 83.7453, 81.0629

Tritanomaly

78.1303, 83.8308, 95.2822

Monochromacy



Original Color

74.5782, 84.1501, 77.2776

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.1737, 82.1950, 84.5235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.5782, 84.1501, 77.2776 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(223, 242, 216) looks like.

```
.text, #text, p{  
    color:rgb(223, 242, 216)  
}
```

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(223, 242, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 242, 216) }
```

Border

The CSS property to change the border of an element to XYZ 74.5782, 84.1501, 77.2776 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(223, 242, 216) }
```


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

```
.border{ border-color:rgb(223, 242, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 242, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 242, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 242, 216);  
box-shadow:4px 4px 4px 4px rgb(223, 242,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 74.5782, 84.1501, 77.2776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 242, 216) }
```

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

```
.background{ background-color: rgb(223,  
242, 216) }
```

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