

Converting Colors

XYZ(84.8439, 89.4544, 75.0474)

Have a look what the booklet for
XYZ(84.8439, 89.4544, 75.0474)
contains.

XYZ(84.8758, 89.5177, 75.0926)	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(84.8758, 89.5177,
75.0926)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF2D4
RGB	255, 242, 212
RGB Percent	100%, 95%, 83%
CMY	0.0000, 0.0510, 0.1686
CMYK	0.00, 0.05, 0.17, 0.00
HSL	42°, 100%, 92%
HSV	42°, 17%, 100%
XYZ	84.8758, 89.5177, 75.0926
YIQ	242.4670, 17.3780, -6.5740

Conversions

Conversions Part 2

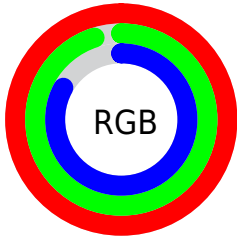
Format	Color
R_{YB}	231, 255, 212
Decimal	16773844
CIE Lab	95.80, -0.39, 16.05
CIE LCh	96, 16.055, 91.403
Yxy	89.5177, 0.3402, 0.3588
Android (android.graphics.Color)	4294963924 (0xFFFFF2D4)
YUV	242.4670, -15.0202, 10.9914
Hunter-Lab	94.6138, -5.4460, 19.1727

Details

The XYZ color **84.8758, 89.5177, 75.0926** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.1260, 75.0655, 105.2954**, and the grayscale version is **84.8756, 89.2958, 97.2431**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9334, 49.5579, 38.9903** is the 20% darker color. If you saturate the color by 10%, you get **79.6648, 83.8433, 58.7192**, and if you desaturate by 10%, it is **90.6958, 95.5963, 94.1776**.

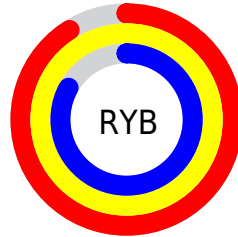
Distribution



Red (100%)

Green (95%)

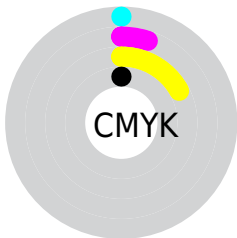
Blue (83%)



Red (91%)

Yellow (100%)

Blue (83%)

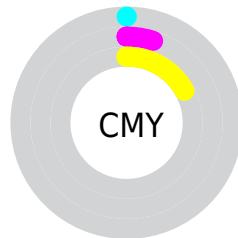


Cyan (0%)

Magenta (5%)

Yellow (17%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.8758, 89.5177, 75.0926 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 84.8758, 89.5177, 75.0926 by changing the saturation by 10% instead.


 84.8758, 89.5177,
75.0926

 84.8758, 89.5177,
75.0926


499.7069,
526.4607, 497.4997

 64.0609, 67.5807,
55.1866


139.1146,
146.6683, 128.1917

 46.9619, 49.5567,
39.1515


173.2691,
182.6506, 162.2219

 33.2133, 35.0613,
26.5689


212.6010,
224.0836, 201.7972

 22.4499, 23.7101,
17.0201

257.4755,
271.3515, 247.3362

 14.3063, 15.1187,
10.0867

308.2580,
324.8388, 299.2574

 8.4172, 8.9027,
5.3501

365.3138,

 4.4171, 4.6778,

384.9298, 357.9794

2.3918

429.0083,
452.0090, 423.9206

■ 1.9407, 2.0595,
0.7820

■ 0.6003, 0.6417,
0.0000

■ 84.8758, 89.5177,
75.0926

■ 84.8758, 89.5177,
75.0926

■ 79.6648, 83.8433,
58.7192

■ 90.6958, 95.5963,
94.1776

■ 75.0314, 78.5498,
44.9262

95.0500, 100.0000,
108.9000

■ 70.9510, 73.6282,
33.5796

■ 67.3942, 69.0650,
24.5312

■ 64.3286, 64.8452,
17.6169

■ 61.7176, 60.9521,
12.6500

■ 59.5186, 57.3666,
9.4119

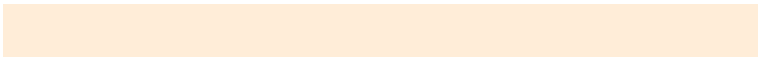
■ 57.6776, 54.0650,
7.6254

■ 57.1485, 53.0770,
7.2328

Harmonies

Analogous

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



89.2196, 89.5177, 77.6110



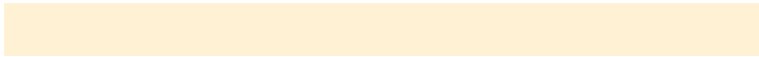
84.8758, 89.5177, 75.0926



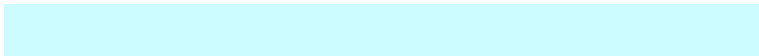
80.7292, 89.5177, 78.1245

Triad

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



84.8758, 89.5177, 75.0926



78.0298, 89.5177, 110.7189



92.7712, 89.5177, 109.5980

Complementary

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



84.8758, 89.5177, 75.0926



72.1260, 75.0655, 105.2954

Split Complementary

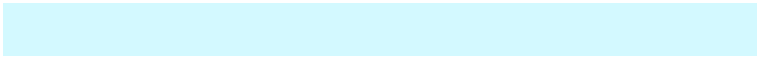
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.5924, 89.5177, 119.7703



84.8758, 89.5177, 75.0926



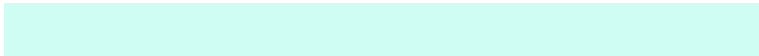
81.0780, 89.5177, 120.4558

Square

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



84.8758, 89.5177, 75.0926



76.8623, 89.5177, 98.0672



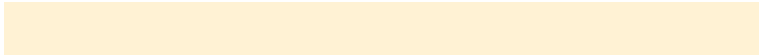
85.2923, 89.5177, 123.9013



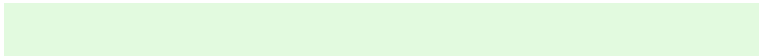
93.8718, 89.5177, 96.8743

Rectangle

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



84.8758, 89.5177, 75.0926



78.6089, 89.5177, 83.0516



85.2923, 89.5177, 123.9013



91.9050, 89.5177, 113.4665

Sweetspot

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



84.8779, 89.5215, 75.0945



91.8477, 96.7721, 98.0394



78.4591, 73.8180, 81.7900



19.5656, 20.6179, 20.6700



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

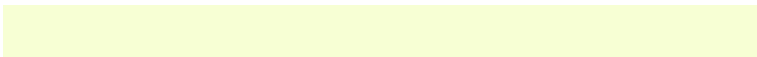
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8779, 89.5215, 75.0945



83.1780, 87.6975, 69.6701



86.0430, 96.0690, 76.2969



19.0707, 20.1096, 19.0207



29.9988, 28.0088, 3.8251



3.0170, 2.9193, 0.4045

Inverse Universe

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



72.1260, 75.0655, 105.2954



68.3910, 70.9356, 104.6951



71.0744, 69.5056, 104.2776



17.4505, 18.2726, 22.8572



10.9342, 6.7781, 50.1666



1.1557, 0.8421, 4.9149

Previews

White Background



This preview shows how the XYZ color 84.8758, 89.5177, 75.0926 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 84.8758, 89.5177, 75.0926 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 84.8758, 89.5177, 75.0926

Background



This preview shows how black text looks on a background with the XYZ color 84.8758, 89.5177, 75.0926.



This preview shows how white text looks on a background with the XYZ color 84.8758, 89.5177,

75.0926.

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

84.8758, 89.5177, 75.0926

Protanopia

84.5088, 89.3286, 75.0754

Deuteranopia

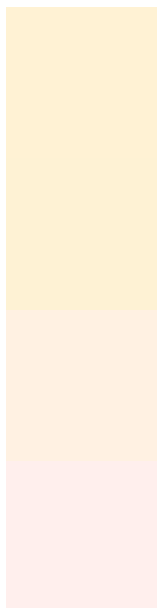
87.2514, 89.5207, 90.5225



Tritanopia

89.2271, 89.3741, 103.8149

Trichromacy



Original Color

84.8758, 89.5177, 75.0926

Protanomaly

84.5088, 89.3286, 75.0754

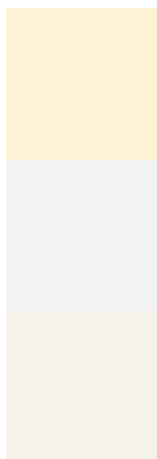
Deuteranomaly

86.4228, 89.6616, 84.7030

Tritanomaly

87.3926, 89.1074, 92.7141

Monochromacy



Original Color

84.8758, 89.5177, 75.0926

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.5337, 89.0479, 88.3339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.8758, 89.5177, 75.0926 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(255, 242, 212)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 212)  
}
```

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(255, 242, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 212) }
```

Border

The CSS property to change the border of an element to XYZ 84.8758, 89.5177, 75.0926 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(255, 242, 212) }
```


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

```
.border{ border-color:rgb(255, 242, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 84.8758, 89.5177, 75.0926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 212) }
```

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

```
.background{ background-color: rgb(255,  
242, 212) }
```

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