

# Converting Colors

XYZ(171.5568, 133.5300,  
81.2182)

Have a look what the booklet for  
XYZ(171.5568, 133.5300, 81.2182)  
contains.

<b>XYZ(84.9610, 89.0769, 77.0056)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(84.9610, 89.0769,  
77.0056)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF1D7
RGB	255, 241, 215
RGB Percent	100%, 95%, 84%
CMY	0.0000, 0.0549, 0.1569
CMYK	0.00, 0.05, 0.16, 0.00
HSL	39°, 100%, 92%
HSV	39°, 16%, 100%
XYZ	84.9610, 89.0769, 77.0056
YIQ	242.2220, 16.6900, -5.1180

# Conversions

## Conversions Part 2

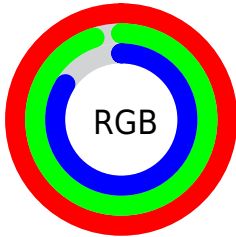
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 255, 215
Decimal	16773591
CIE <sub>Lab</sub>	95.61, 0.56, 14.25
CIE <sub>LCh</sub>	96, 14.256, 87.748
Yxy	89.0769, 0.3384, 0.3548
Android (android.graphics.Color)	4294963671 (0xFFFFF1D7)
YUV	242.2220, -13.4204, 11.2063
Hunter-Lab	94.3806, -4.4810, 17.6914

# Details

The XYZ color **84.9610, 89.0769, 77.0056** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.0929, 77.7035, 105.7009**, and the grayscale version is **84.6694, 89.0788, 97.0069**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9828, 49.2418, 40.2861** is the 20% darker color. If you saturate the color by 10%, you get **79.3604, 82.7170, 60.2135**, and if you desaturate by 10%, it is **91.2060, 95.9074, 96.5344**.

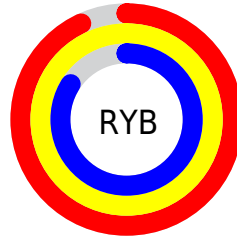
# Distribution



Red (100%)

Green (95%)

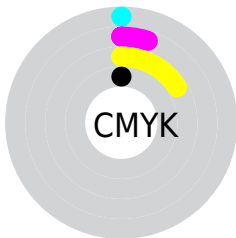
Blue (84%)



Red (93%)

Yellow (100%)

Blue (84%)

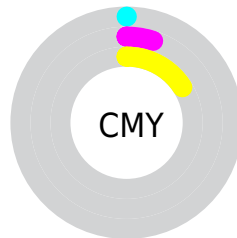


Cyan (0%)

Magenta (5%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.9610, 89.0769, 77.0056 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 84.9610, 89.0769, 77.0056 by changing the saturation by 10% instead.




 84.9610, 89.0769,  
77.0056

 84.9610, 89.0769,  
77.0056


499.9846,  
525.0235, 504.2213

 64.1315, 67.2153,  
56.7459


139.2330,  
146.0555, 130.9205

 47.0193, 49.2596,  
40.3933


173.4062,  
181.9413, 165.4127

 33.2589, 34.8255,  
27.5292


212.7581,  
223.2706, 205.4862

 22.4851, 23.5285,  
17.7351

257.6540,  
270.4278, 251.5595

 14.3323, 14.9842,  
10.5925

308.4593,  
323.7972, 304.0511

 8.4354, 8.8083,  
5.6828

365.5392,

 4.4289, 4.6164,

383.7634, 363.3796

2.5875

429.2592,  
450.7107, 429.9634

■ 1.9475, 2.0240,  
0.8860

■ 0.6042, 0.6213,  
0.0000

■ 84.9610, 89.0769,  
77.0056

■ 84.9610, 89.0769,  
77.0056

■ 79.3604, 82.7170,  
60.2135

■ 91.2060, 95.9074,  
96.5344

■ 74.3724, 76.8032,  
46.0275

95.0500, 100.0000,  
108.9000

■ 69.9718, 71.3254,  
34.3150

■ 66.1289, 66.2686,  
24.9291

■ 62.8110, 61.6166,  
17.7074

■ 59.9815, 57.3516,  
12.4663

■ 57.5975, 53.4532,  
8.9913

■ 55.6069, 49.8970,  
7.0170

■ 54.8374, 48.4548,  
6.4625

# Harmonies

## Analogous

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



88.7453, 89.0769, 79.8780



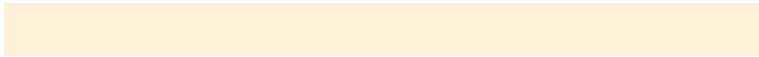
84.9610, 89.0769, 77.0056



81.2087, 89.0769, 79.1361

# Triad

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



84.9610, 89.0769, 77.0056



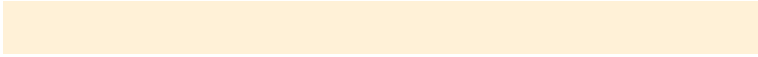
78.1770, 89.0769, 107.3758



91.1911, 89.0769, 108.9534

# Complementary

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



84.9610, 89.0769, 77.0056



74.0929, 77.7035, 105.7009

# Split Complementary

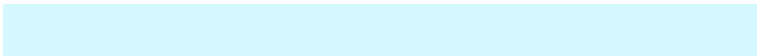
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.2178, 89.0769, 117.3446



84.9610, 89.0769, 77.0056



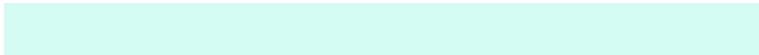
80.7116, 89.0769, 116.3855

# Square

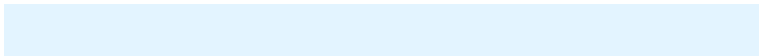
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.9610, 89.0769, 77.0056



77.3646, 89.0769, 96.1451



84.3695, 89.0769, 120.1625



92.4106, 89.0769, 97.8390

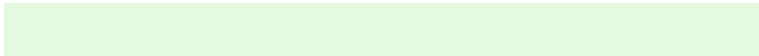


# Rectangle

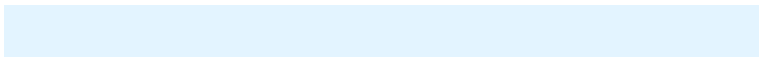
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9610, 89.0769, 77.0056



79.2150, 89.0769, 83.2057



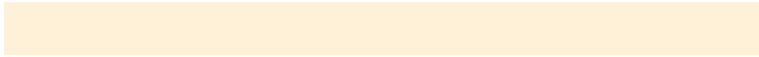
84.3695, 89.0769, 120.1625



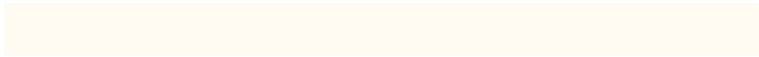
90.3592, 89.0769, 112.2174

# Sweetspot

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



84.9631, 89.0807, 77.0075



91.6580, 96.3927, 97.9762



79.6839, 75.5190, 84.5065



19.5194, 20.5255, 20.6546



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

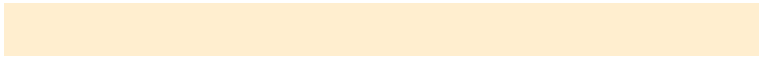


# Same Dimension

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



84.9631, 89.0807, 77.0075



83.0364, 86.9208, 71.1444



87.0930, 96.5662, 78.3401



18.9950, 19.9582, 18.9955



28.7991, 25.6094, 3.4252

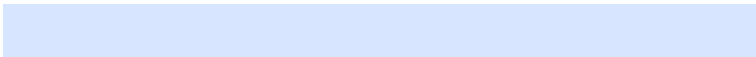


2.9066, 2.6986, 0.3677



# Inverse Universe

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



74.0929, 77.7035, 105.7009



70.1782, 73.4639, 105.0889



72.1702, 71.1942, 104.5458



17.5228, 18.4171, 22.8813



11.4333, 7.7763, 50.3330

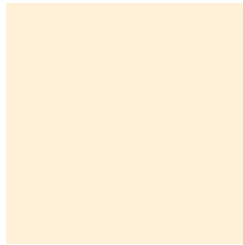


1.2111, 0.9528, 4.9334



# Previews

## White Background



This preview shows how the XYZ color 84.9610, 89.0769, 77.0056 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

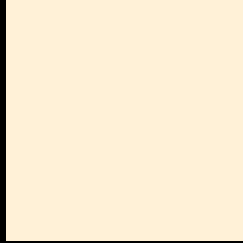
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.9610, 89.0769, 77.0056 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

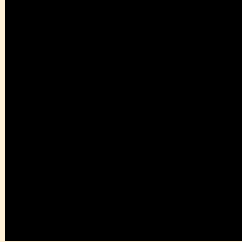
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.9610, 89.0769, 77.0056**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.9610, 89.0769, 77.0056.



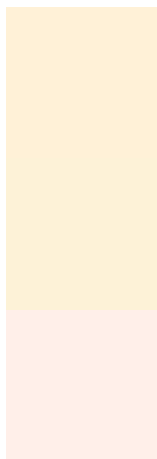
This preview shows how white text looks on a background with the XYZ color 84.9610, 89.0769,

77.0056.

# 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

84.9610, 89.0769, 77.0056

### Protanopia

84.5259, 89.2932, 77.0703

### Deuteranopia

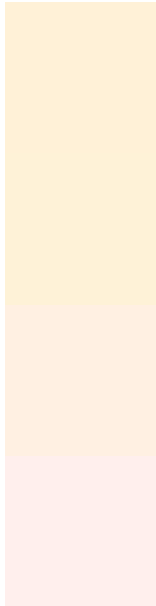
86.8145, 88.8762, 89.6700



## Tritanopia

89.0699, 89.3112, 102.9868

# Trichromacy



## Original Color

84.9610, 89.0769, 77.0056

## Protanomaly

84.8909, 89.4814, 77.0874

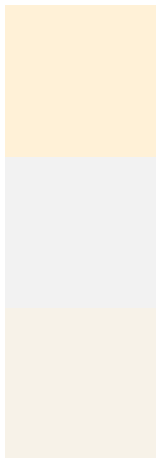
## Deuteranomaly

86.1276, 89.0712, 84.6046

## Tritanomaly

87.3926, 89.1074, 92.7141

# Monochromacy



## Original Color

84.9610, 89.0769, 77.0056

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

84.6754, 89.1046, 89.0800

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.9610, 89.0769, 77.0056 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, 241, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 215)  
}
```

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, 241, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 215) }
```

## Border

The CSS property to change the border of an element to XYZ 84.9610, 89.0769, 77.0056 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, 241, 215) }
```



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

```
.border{ border-color:rgb(255, 241, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
215) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.9610, 89.0769, 77.0056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 215) }
```

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

```
.background{ background-color: rgb(255,  
241, 215) }
```

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](#).

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