

Converting Colors

XYZ(83.9840, 88.8155, 71.4615)

Have a look what the booklet for
XYZ(83.9840, 88.8155, 71.4615)
contains.

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Color

**XYZ(83.9578, 88.6756,
71.7225)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF1CF
RGB	255, 241, 207
RGB Percent	100%, 95%, 81%
CMY	0.0000, 0.0549, 0.1882
CMYK	0.00, 0.05, 0.19, 0.00
HSL	43°, 100%, 91%
HSV	43°, 19%, 100%
XYZ	83.9578, 88.6756, 71.7225
YIQ	241.3100, 19.2580, -7.6060

Conversions

Conversions Part 2

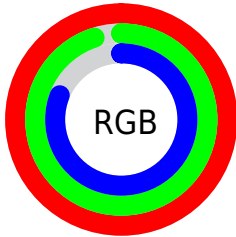
Format	Color
R _Y B	227, 255, 207
Decimal	16773583
CIE Lab	95.44, -0.62, 18.13
CIE LCh	95, 18.138, 91.957
Yxy	88.6756, 0.3436, 0.3629
Android (android.graphics.Color)	4294963663 (0xFFFFF1CF)
YUV	241.3100, -16.9148, 12.0061
Hunter-Lab	94.1677, -5.6470, 20.7594

Details

The XYZ color **83.9578, 88.6756, 71.7225** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.6379, 72.1962, 104.8727**, and the grayscale version is **83.9736, 88.3468, 96.2096**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3874, 49.0036, 37.1508** is the 20% darker color. If you saturate the color by 10%, you get **78.9332, 83.2190, 55.8892**, and if you desaturate by 10%, it is **89.5800, 94.5209, 90.2412**.

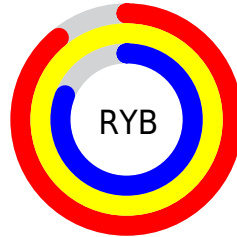
Distribution



Red (100%)

Green (95%)

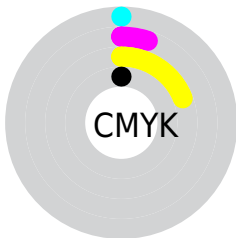
Blue (81%)



Red (89%)

Yellow (100%)

Blue (81%)

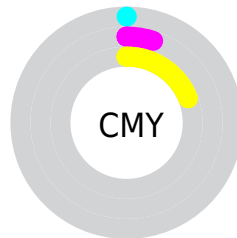


Cyan (0%)

Magenta (5%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.9578, 88.6756, 71.7225 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 83.9578, 88.6756, 71.7225 by changing the saturation by 10% instead.


 83.9578, 88.6756,
71.7225

 83.9578, 88.6756,
71.7225


496.7089,
523.7132, 485.5267

 63.3002, 66.8827,
52.4466


137.8377,
145.4974, 123.3660

 46.3437, 48.9893,
36.9765


171.7907,
181.2951, 156.5706

 32.7229, 34.6110,
24.8936


210.9062,
222.5298, 195.2552

 22.0724, 23.3634,
15.7795

255.5496,
269.5860, 239.8383

 14.0270, 14.8621,
9.2156

306.0862,
322.8480, 290.7384

 8.2213, 8.7226,
4.7834

362.8814,

 4.2899, 4.5607,

382.7003, 348.3742

2.0642

426.3005,
449.5272, 413.1641

■ 1.8674, 1.9919,
0.5943

■ 0.5578, 0.6028,
0.0000

■ 83.9578, 88.6756,
71.7225

■ 83.9578, 88.6756,
71.7225

■ 78.9332, 83.2190,
55.8892

■ 89.5800, 94.5209,
90.2412

■ 74.4747, 78.1279,
42.6083

95.0500, 100.0000,
108.9000

■ 70.5571, 73.3934,
31.7437

■ 67.1509, 69.0020,
23.1446

■ 64.2231, 64.9388,
16.6428

■ 61.7361, 61.1868,
12.0466

■ 59.6458, 57.7265,
9.1290

■ 57.8885, 54.5306,
7.5606

■ 57.6939, 54.1679,
7.4146

Harmonies

Analogous

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



88.8522, 88.6756, 74.3744



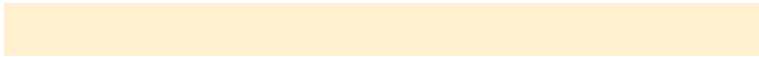
83.9578, 88.6756, 71.7225



79.3305, 88.6756, 75.1620

Triad

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



83.9578, 88.6756, 71.7225



76.4398, 88.6756, 111.7602



92.9940, 88.6756, 109.9863

Complementary

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



83.9578, 88.6756, 71.7225



69.6379, 72.1962, 104.8727

Split Complementary

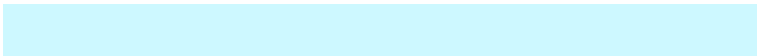
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.4385, 88.6756, 121.6594



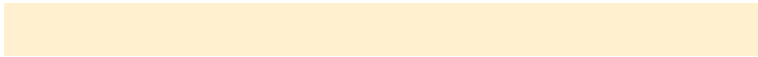
83.9578, 88.6756, 71.7225



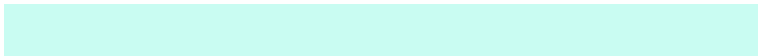
79.8742, 88.6756, 122.7522

Square

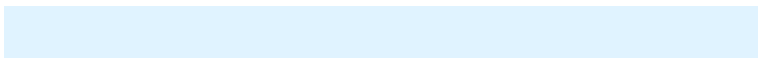
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9578, 88.6756, 71.7225



75.0972, 88.6756, 97.4896



84.6100, 88.6756, 126.5391



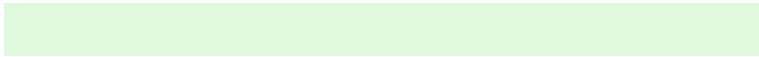
94.1900, 88.6756, 95.6217

Rectangle

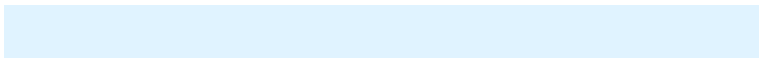
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.9578, 88.6756, 71.7225



76.9858, 88.6756, 80.6637



84.6100, 88.6756, 126.5391



92.0284, 88.6756, 114.4020

Sweetspot

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



83.9599, 88.6794, 71.7244



91.2771, 96.2403, 95.9700



76.6580, 71.1284, 78.3761



19.4521, 20.5136, 20.2535



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.



83.9599, 88.6794, 71.7244



81.7894, 86.3528, 64.7907



84.8187, 95.5097, 72.9975



19.0877, 20.1435, 19.0264



30.2815, 28.5743, 3.9194



3.0428, 2.9709, 0.4131

Inverse Universe

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



69.6379, 72.1962, 104.8727



64.8135, 66.8176, 104.0888



68.8602, 66.5373, 103.8214



17.4344, 18.2405, 22.8518



10.8340, 6.5776, 50.1332



1.1442, 0.8192, 4.9111

Previews

White Background



This preview shows how the XYZ color 83.9578, 88.6756, 71.7225 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 83.9578, 88.6756, 71.7225 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 83.9578, 88.6756, 71.7225

Background



This preview shows how black text looks on a background with the XYZ color 83.9578, 88.6756, 71.7225.



This preview shows how white text looks on a background with the XYZ color 83.9578, 88.6756,

71.7225.

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

83.9578, 88.6756, 71.7225

Protanopia

83.5908, 88.4864, 71.7054

Deuteranopia

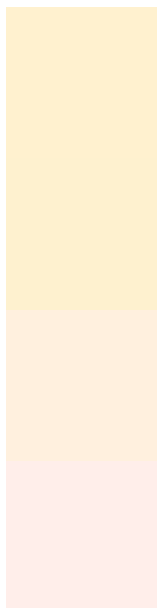
86.5303, 88.7625, 88.1735



Tritanopia

88.6231, 88.6679, 102.0662

Trichromacy



Original Color

83.9578, 88.6756, 71.7225

Protanomaly

83.5908, 88.4864, 71.7054

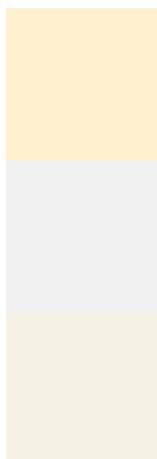
Deuteranomaly

85.5849, 88.8541, 81.7470

Tritanomaly

86.6658, 88.3496, 90.3273

Monochromacy



Original Color

83.9578, 88.6756, 71.7225

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

83.6042, 88.1606, 86.7390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9578, 88.6756, 71.7225 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 207) }
```

Border

The CSS property to change the border of an element to XYZ 83.9578, 88.6756, 71.7225 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, 207) }
```


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

```
.border{ border-color:rgb(255, 241, 207) }
```

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, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9578, 88.6756, 71.7225 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, 207) }
```

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

```
.background{ background-color: rgb(255,  
241, 207) }
```

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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