

Converting Colors

XYZ(104.2266, 100.0000,
71.7236)

Have a look what the booklet for
XYZ(104.2266, 100.0000, 71.7236)
contains.

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Color

**XYZ(84.3100, 89.7690,
70.6411)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF3CD
RGB	255, 243, 205
RGB Percent	100%, 95%, 80%
CMY	0.0000, 0.0470, 0.1961
CMYK	0.00, 0.05, 0.20, 0.00
HSL	46°, 100%, 90%
HSV	46°, 20%, 100%
XYZ	84.3100, 89.7690, 70.6411
YIQ	242.2560, 19.3500, -9.2740

Conversions

Conversions Part 2

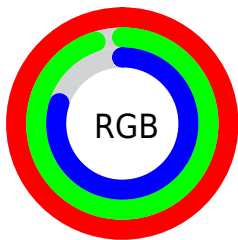
Format	Color
R _Y B	221, 255, 205
Decimal	16774093
CIE Lab	95.90, -1.92, 19.79
CIE LCh	96, 19.886, 95.529
Yxy	89.7690, 0.3445, 0.3668
Android (android.graphics.Color)	4294964173 (0xFFFFF3CD)
YUV	242.2560, -18.3672, 11.1765
Hunter-Lab	94.7465, -6.9685, 22.1171

Details

The XYZ color **84.3100, 89.7690, 70.6411** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.0390, 69.8228, 104.4988**, and the grayscale version is **84.7329, 89.1457, 97.0796**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.6449, 49.7808, 36.4284** is the 20% darker color. If you saturate the color by 10%, you get **79.6798, 85.0394, 55.1291**, and if you desaturate by 10%, it is **89.5074, 94.8291, 88.8193**.

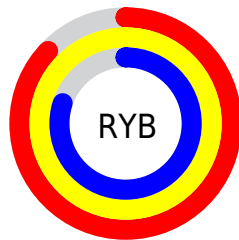
Distribution



Red (100%)

Green (95%)

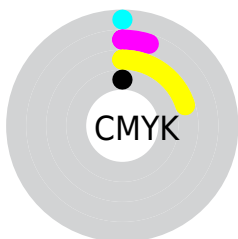
Blue (80%)



Red (87%)

Yellow (100%)

Blue (80%)

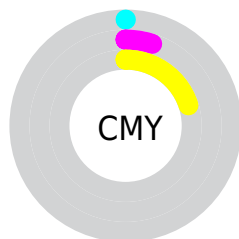


Cyan (0%)

Magenta (5%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.3100, 89.7690, 70.6411 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 84.3100, 89.7690, 70.6411 by changing the saturation by 10% instead.


 84.3100, 89.7690,
70.6411

 84.3100, 89.7690,
70.6411


497.8602,
527.2791, 481.6476

 63.5920, 67.7891,
51.5693


138.3278,
147.0175, 121.8122

 46.5807, 49.7262,
36.2820


172.3582,
183.0548, 154.7487

 32.9109, 35.1959,
24.3607

211.5568,
224.5468, 193.1438

 22.2171, 23.8138,
15.3867

256.2890,
271.8777, 237.4160

 14.1340, 15.1955,
8.9416

306.9201,
325.4320, 287.9840

 8.2962, 8.9567,
4.6068

363.8154,

 4.3385, 4.7130,

385.5941, 345.2662

1.9638

427.3403,
452.7483, 409.6813

■ 1.8954, 2.0799,
0.5329

■ 0.5741, 0.6533,
0.0000

■ 84.3100, 89.7690,
70.6411

■ 84.3100, 89.7690,
70.6411

■ 79.6798, 85.0394,
55.1291

■ 89.5074, 94.8291,
88.8193

■ 75.5852, 80.6178,
42.1497

95.0500, 100.0000,
108.9000

■ 72.0016, 76.4962,
31.5661

■ 68.8996, 72.6620,
23.2262

■ 66.2464, 69.1010,
16.9607

■ 64.0046, 65.7975,
12.5758

■ 62.1299, 62.7325,
9.8409

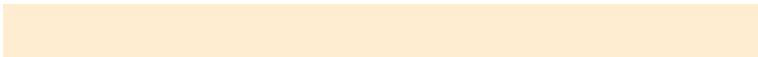
■ 60.5531, 59.8773,
8.3948

■ 60.4941, 59.7682,
8.3480

Harmonies

Analogous

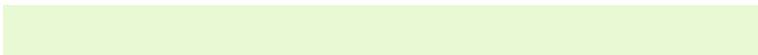
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7693, 89.7690, 72.7347



84.3100, 89.7690, 70.6411



79.3359, 89.7690, 75.1522

Triad

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



84.3100, 89.7690, 70.6411



77.0193, 89.7690, 116.3794



95.2928, 89.7690, 110.8049

Complementary

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



84.3100, 89.7690, 70.6411



68.0390, 69.8228, 104.4988

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.



91.6034, 89.7690, 124.4605



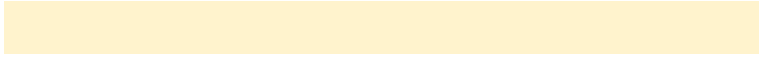
84.3100, 89.7690, 70.6411



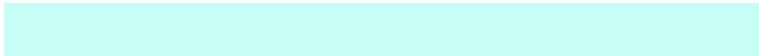
81.0255, 89.7690, 127.9129

Square

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



84.3100, 89.7690, 70.6411



75.2439, 89.7690, 100.6842



86.3436, 89.7690, 131.0177



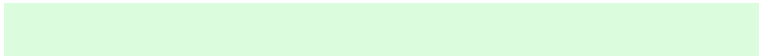
96.2637, 89.7690, 94.8600

Rectangle

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



84.3100, 89.7690, 70.6411



76.9150, 89.7690, 81.6156



86.3436, 89.7690, 131.0177



94.3219, 89.7690, 115.8666

Sweetspot

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



84.3122, 89.7729, 70.6430



91.5239, 96.7341, 96.0523



75.6615, 69.9594, 75.5038



19.5105, 20.6305, 20.2730



0.0000, 0.0000, 0.0000



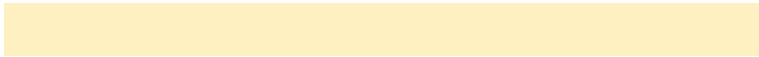
20.3446, 21.4041, 23.3091

Same Dimension

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



84.3122, 89.7729, 70.6430



82.2093, 87.6544, 63.5073



83.5697, 94.8938, 71.6706



19.1703, 20.3088, 19.0539



31.7313, 31.4738, 4.4026



3.1739, 3.2332, 0.4568

Inverse Universe

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



68.0390, 69.8228, 104.4988



62.9201, 64.0094, 103.6465



68.6463, 65.7122, 103.6734



17.3567, 18.0851, 22.8259



10.4037, 5.7170, 49.9897



1.0933, 0.7173, 4.8941

Previews

White Background



This preview shows how the XYZ color 84.3100, 89.7690, 70.6411 looks on a white background.

Color Contrast Check

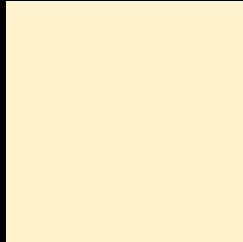
Large Text (above 18pt) WCAG AA × Fail

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 84.3100, 89.7690, 70.6411 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

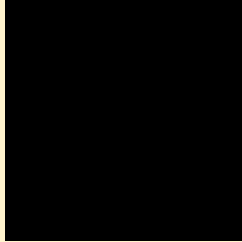
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.3100, 89.7690, 70.6411

Background



This preview shows how black text looks on a background with the XYZ color 84.3100, 89.7690, 70.6411.



This preview shows how white text looks on a background with the XYZ color 84.3100, 89.7690,

70.6411.

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

84.3100, 89.7690, 70.6411

Protanopia

84.7992, 89.9646, 73.2171

Deuteranopia

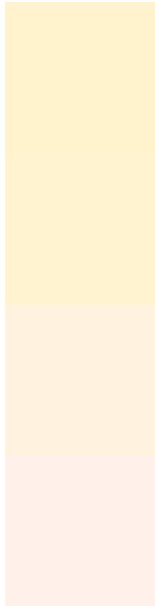
87.4033, 90.0538, 89.8663



Tritanopia

89.5191, 89.9580, 103.9123

Trichromacy



Original Color

84.3100, 89.7690, 70.6411

Protanomaly

84.6758, 89.9153, 72.5670

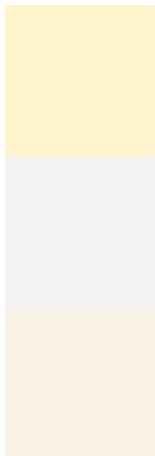
Deuteranomaly

86.3114, 90.0920, 82.6524

Tritanomaly

87.2514, 89.5207, 90.5225

Monochromacy



Original Color

84.3100, 89.7690, 70.6411

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

84.2528, 88.9356, 86.8544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.3100, 89.7690, 70.6411 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, 243, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 205)  
}
```

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, 243, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 205) }
```

Border

The CSS property to change the border of an element to XYZ 84.3100, 89.7690, 70.6411 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, 243, 205) }
```


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

```
.border{ border-color:rgb(255, 243, 205) }
```

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

Here you see how a box with a 4 pixel rgb(255, 243, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 84.3100, 89.7690, 70.6411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 205) }
```

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

```
.background{ background-color: rgb(255,  
243, 205) }
```

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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