

Converting Colors

XYZ(143.8295, 120.1565,
73.4348)

Have a look what the booklet for
XYZ(143.8295, 120.1565, 73.4348)
contains.

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Color

**XYZ(84.0116, 89.1720,
70.5416)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF2CD
RGB	255, 242, 205
RGB Percent	100%, 95%, 80%
CMY	0.0000, 0.0510, 0.1961
CMYK	0.00, 0.05, 0.20, 0.00
HSL	44°, 100%, 90%
HSV	44°, 20%, 100%
XYZ	84.0116, 89.1720, 70.5416
YIQ	241.6690, 19.6250, -8.7510

Conversions

Conversions Part 2

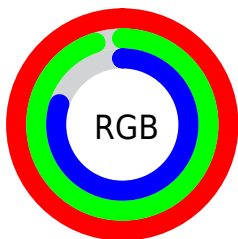
Format	Color
R _Y B	223, 255, 205
Decimal	16773837
CIE Lab	95.65, -1.41, 19.45
CIE LCh	96, 19.497, 94.152
Yxy	89.1720, 0.3447, 0.3659
Android (android.graphics.Color)	4294963917 (0xFFFFF2CD)
YUV	241.6690, -18.0778, 11.6913
Hunter-Lab	94.4309, -6.4495, 21.8110

Details

The XYZ color **84.0116, 89.1720, 70.5416** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.2977, 70.3400, 104.5850**, and the grayscale version is **84.2657, 88.6541, 96.5443**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.4335, 49.3579, 36.3579** is the 20% darker color. If you saturate the color by 10%, you get **79.2445, 84.1690, 54.9841**, and if you desaturate by 10%, it is **89.3560, 94.5263, 88.7688**.

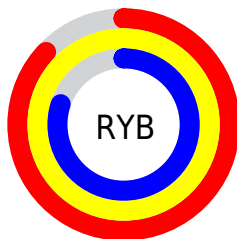
Distribution



Red (100%)

Green (95%)

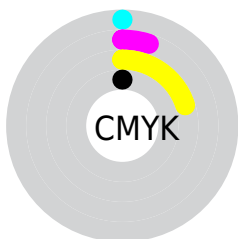
Blue (80%)



Red (87%)

Yellow (100%)

Blue (80%)

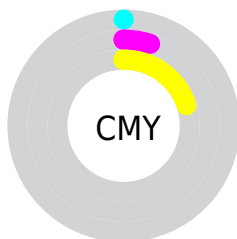


Cyan (0%)

Magenta (5%)

Yellow (20%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.0116, 89.1720, 70.5416 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 84.0116, 89.1720, 70.5416 by changing the saturation by 10% instead.


 84.0116, 89.1720,
70.5416

 84.0116, 89.1720,
70.5416


496.8848,
525.3337, 481.2898

 63.3448, 67.2941,
51.4887


137.9126,
146.1877, 121.6691

 46.3799, 49.3237,
36.2182


171.8774,
182.0944, 154.5808

 32.7516, 34.8763,
24.3118


211.0056,
223.4460, 192.9492

 22.0945, 23.5676,
15.3507

255.6626,
270.6271, 237.1927

 14.0434, 15.0132,
8.9165

306.2136,
324.0220, 287.7300

 8.2327, 8.8286,
4.5907

363.0241,

 4.2973, 4.6296,

384.0152, 344.9796

1.9547

426.4594,
450.9909, 409.3600

■ 1.8717, 2.0316,
0.5272

■ 0.5603, 0.6257,
0.0000

■ 84.0116, 89.1720,
70.5416

■ 84.0116, 89.1720,
70.5416

■ 79.2445, 84.1690,
54.9841

■ 89.3560, 94.5263,
88.7688

■ 75.0236, 79.4946,
41.9625

95.0500, 100.0000,
108.9000

■ 71.3239, 75.1407,
31.3401

■ 68.1157, 71.0941,
22.9649

■ 65.3661, 67.3405,
16.6673

■ 63.0376, 63.8635,
12.2535

■ 61.0857, 60.6439,
9.4928

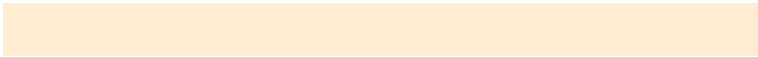
■ 59.4408, 57.6529,
8.0240

■ 59.3794, 57.5388,
7.9765

Harmonies

Analogous

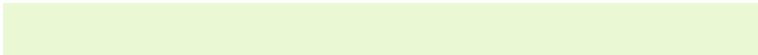
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3261, 89.1720, 72.8898



84.0116, 89.1720, 70.5416



79.1029, 89.1720, 74.6686

Triad

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



84.0116, 89.1720, 70.5416



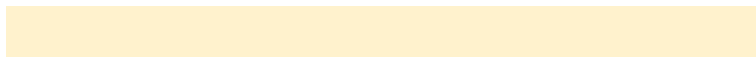
76.5134, 89.1720, 114.6145



94.3678, 89.1720, 110.5313

Complementary

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



84.0116, 89.1720, 70.5416



68.2977, 70.3400, 104.5850

Split Complementary

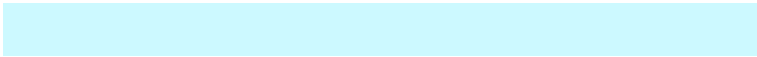
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.6708, 89.1720, 123.6101



84.0116, 89.1720, 70.5416



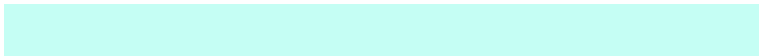
80.3432, 89.1720, 126.1364

Square

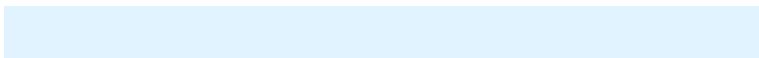
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0116, 89.1720, 70.5416



74.8909, 89.1720, 99.2450



85.5034, 89.1720, 129.5892



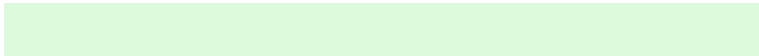
95.4499, 89.1720, 94.9726

Rectangle

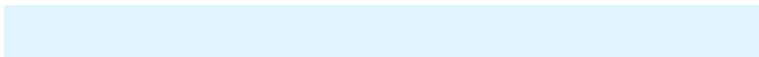
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.0116, 89.1720, 70.5416



76.6768, 89.1720, 80.8209



85.5034, 89.1720, 129.5892



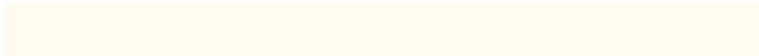
93.3822, 89.1720, 115.4149

Sweetspot

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



84.0137, 89.1758, 70.5435



91.4282, 96.5427, 96.0204



75.7705, 70.0031, 76.0780



19.4878, 20.5852, 20.2655



0.0000, 0.0000, 0.0000



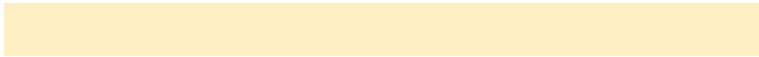
20.3446, 21.4041, 23.3091

Same Dimension

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



84.0137, 89.1758, 70.5435



81.8495, 86.9347, 63.3874



83.8571, 95.0420, 71.6840



19.1382, 20.2447, 19.0432



31.1545, 30.3202, 4.2104



3.1219, 3.1293, 0.4395

Inverse Universe

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



68.2977, 70.3400, 104.5850



63.2207, 64.6105, 103.7467



68.3985, 65.5845, 103.6618



17.3868, 18.1451, 22.8359



10.5595, 6.0285, 50.0417



1.1121, 0.7549, 4.9004

Previews

White Background



This preview shows how the XYZ color 84.0116, 89.1720, 70.5416 looks on a white background.

Color Contrast Check

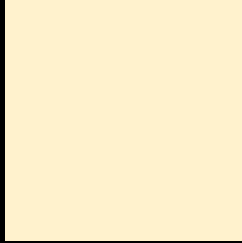
Large Text (above 18pt) WCAG AA × Fail

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 84.0116, 89.1720, 70.5416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

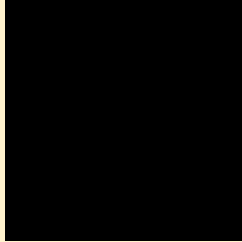
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.0116, 89.1720, 70.5416

Background



This preview shows how black text looks on a background with the XYZ color 84.0116, 89.1720, 70.5416.



This preview shows how white text looks on a background with the XYZ color 84.0116, 89.1720,

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

84.0116, 89.1720, 70.5416

Protanopia

84.1327, 89.2205, 71.1795

Deuteranopia

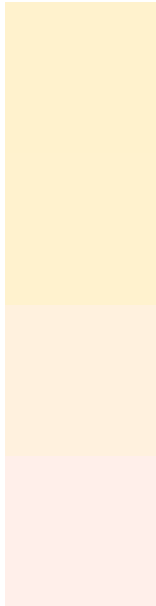
86.9656, 89.4064, 89.0175



Tritanopia

89.0699, 89.3112, 102.9868

Trichromacy



Original Color

84.0116, 89.1720, 70.5416

Protanomaly

84.1327, 89.2205, 71.1795

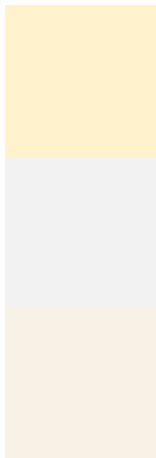
Deuteranomaly

85.8801, 89.4445, 81.8454

Tritanomaly

86.9578, 88.9335, 90.4246

Monochromacy



Original Color

84.0116, 89.1720, 70.5416

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 84.0116, 89.1720, 70.5416 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 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, 242, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 205) }
```

Border

The CSS property to change the border of an element to XYZ 84.0116, 89.1720, 70.5416 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, 205) }
```


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

```
.border{ border-color:rgb(255, 242, 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, 242, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 205);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 84.0116, 89.1720, 70.5416 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, 205) }
```

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

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