

# Converting Colors

XYZ(84.8780, 91.0975, 70.2368)

Have a look what the booklet for  
XYZ(84.8780, 91.0975, 70.2368)  
contains.

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# Color

**XYZ(84.7915, 90.9244,  
70.2079)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5CC
RGB	255, 245, 204
RGB Percent	100%, 96%, 80%
CMY	0.0000, 0.0392, 0.2000
CMYK	0.00, 0.04, 0.20, 0.00
HSL	48°, 100%, 90%
HSV	48°, 20%, 100%
XYZ	84.7915, 90.9244, 70.2079
YIQ	243.3160, 19.1210, -10.6310

# Conversions

## Conversions Part 2

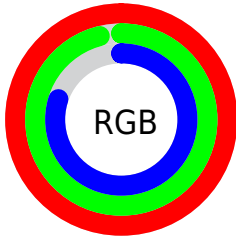
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 255, 204
Decimal	16774604
CIE Lab	96.38, -3.06, 20.97
CIE LCh	96, 21.195, 98.311
Yxy	90.9244, 0.3448, 0.3697
Android (android.graphics.Color)	4294964684 (0xFFFFF5CC)
YUV	243.3160, -19.3828, 10.2469
Hunter-Lab	95.3543, -8.1432, 23.0937

# Details

The XYZ color **84.7915, 90.9244, 70.2079** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.9979, 68.1486, 104.2306**, and the grayscale version is **85.5838, 90.0408, 98.0545**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.9913, 50.6030, 36.1448** is the 20% darker color. If you saturate the color by 10%, you get **80.4892, 86.8201, 54.9000**, and if you desaturate by 10%, it is **89.6397, 95.3185, 88.1706**.

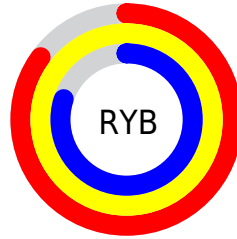
# Distribution



Red (100%)

Green (96%)

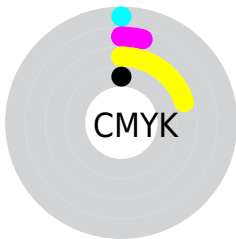
Blue (80%)



Red (85%)

Yellow (100%)

Blue (80%)

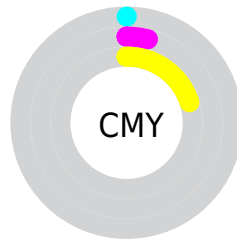


Cyan (0%)

Magenta (4%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.7915, 90.9244, 70.2079 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 84.7915, 90.9244, 70.2079 by changing the saturation by 10% instead.




 84.7915, 90.9244,  
70.2079

 84.7915, 90.9244,  
70.2079


499.4320,  
531.0333, 480.0885

 63.9910, 68.7476,  
51.2182


138.9974,  
148.6218, 121.1891

 46.9051, 50.5062,  
36.0043


173.1335,  
184.9111, 154.0176

 33.1682, 35.8158,  
24.1478


212.4455,  
226.6734, 192.2962

 22.4152, 24.2919,  
15.2301

257.2988,  
274.2931, 236.4434

 14.2806, 15.5503,  
8.8326

308.0588,  
328.1545, 286.8776

 8.3991, 9.2065,  
4.5369

365.0907,

 4.4053, 4.8761,

388.6421, 344.0175

1.9242

428.7600,  
456.1402, 408.2816

■ 1.9339, 2.1748,  
0.5081

■ 0.5964, 0.7062,  
0.0000

■ 84.7915, 90.9244,  
70.2079

■ 84.7915, 90.9244,  
70.2079

■ 80.4892, 86.8201,  
54.9000

■ 89.6397, 95.3185,  
88.1706

■ 76.7017, 82.9835,  
42.1127

95.0500, 100.0000,  
108.9000

■ 73.4046, 79.4074,  
31.7090

■ 70.5684, 76.0795,  
23.5363

■ 68.1607, 72.9861,  
17.4246

■ 66.1441, 70.1120,  
13.1790

■ 64.4741, 67.4387,  
10.5672

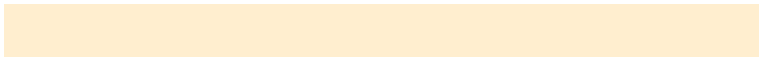
■ 63.0784, 64.9368,  
9.2095

■ 63.0783, 64.9366,  
9.2094

# Harmonies

## Analogous

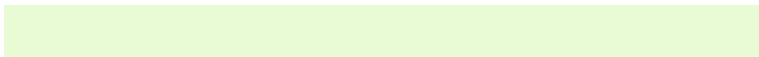
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6815, 90.9244, 71.7772



84.7915, 90.9244, 70.2079



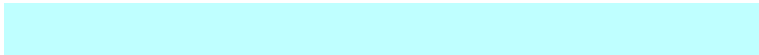
79.5774, 90.9244, 75.6343

# Triad

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



84.7915, 90.9244, 70.2079



77.8218, 90.9244, 120.5386



97.3963, 90.9244, 111.4998

# Complementary

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



84.7915, 90.9244, 70.2079



66.9979, 68.1486, 104.2306

# 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.



93.6459, 90.9244, 126.7442



84.7915, 90.9244, 70.2079



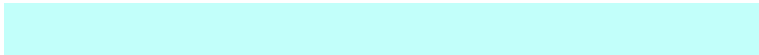
82.2960, 90.9244, 132.3622

# Square

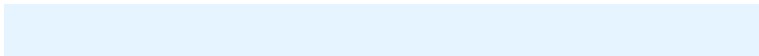
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7915, 90.9244, 70.2079



75.6750, 90.9244, 103.7720



88.0711, 90.9244, 134.7537



98.1389, 90.9244, 94.3789

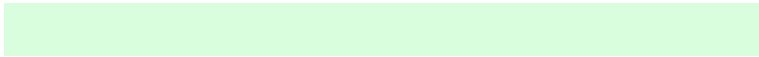


# Rectangle

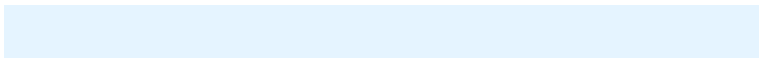
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.7915, 90.9244, 70.2079



77.1230, 90.9244, 82.8966



88.0711, 90.9244, 134.7537



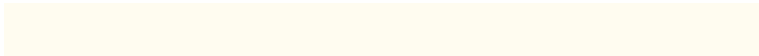
96.4376, 90.9244, 117.0671

# Sweetspot

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



84.7936, 90.9283, 70.2098



91.7346, 97.1554, 96.1225



74.9967, 69.3120, 73.1792



19.5604, 20.7303, 20.2897



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.



84.7936, 90.9283, 70.2098



83.0078, 89.2514, 63.7735



82.4929, 94.3526, 70.9920



19.2410, 20.4502, 19.0775



33.0668, 34.1448, 4.8478



3.2932, 3.4718, 0.4966



# Inverse Universe

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



66.9979, 68.1486, 104.2306



62.2683, 62.7059, 103.4293



68.9475, 65.5135, 103.6192



17.2911, 17.9539, 22.8041



10.1081, 5.1257, 49.8912



1.0558, 0.6424, 4.8816



# Previews

## White Background



This preview shows how the XYZ color 84.7915, 90.9244, 70.2079 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

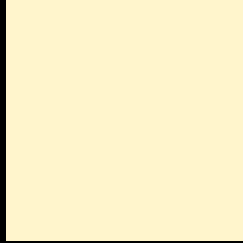
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.7915, 90.9244, 70.2079 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

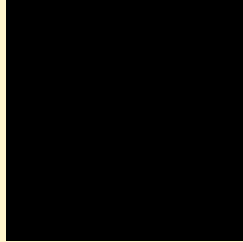
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.7915, 90.9244, 70.2079**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.7915, 90.9244, 70.2079.



This preview shows how white text looks on a background with the XYZ color 84.7915, 90.9244,



# 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

84.7915, 90.9244, 70.2079

### Protanopia

85.7283, 90.8164, 76.6293

### Deuteranopia

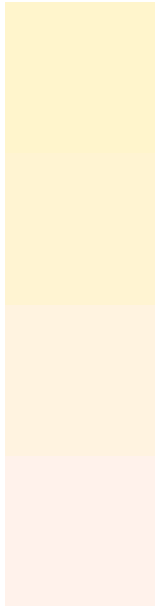
87.9875, 90.7624, 91.4787



## Tritanopia

90.2660, 91.1989, 104.9411

# Trichromacy



## Original Color

84.7915, 90.9244, 70.2079

## Protanomaly

85.2235, 90.6145, 73.9714

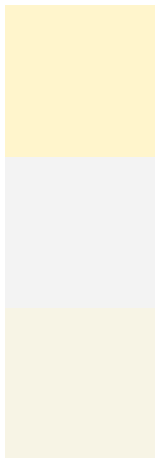
## Deuteranomaly

86.7451, 90.7430, 83.4642

## Tritanomaly

87.9875, 90.7624, 91.4787

# Monochromacy



## Original Color

84.7915, 90.9244, 70.2079

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

84.8513, 90.1327, 87.0539

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.7915, 90.9244, 70.2079 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, 245, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 204)  
}
```

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, 245, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 84.7915, 90.9244, 70.2079 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, 245, 204) }
```



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

```
.border{ border-color:rgb(255, 245, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.7915, 90.9244, 70.2079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 204) }
```

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

```
.background{ background-color: rgb(255,  
245, 204) }
```

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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