

Converting Colors

XYZ(144.3315, 121.0995,
75.3505)

Have a look what the booklet for
XYZ(144.3315, 121.0995, 75.3505)
contains.

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Color

**XYZ(84.9758, 90.5154,
72.6670)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF4D0
RGB	255, 244, 208
RGB Percent	100%, 96%, 82%
CMY	0.0000, 0.0431, 0.1843
CMYK	0.00, 0.04, 0.18, 0.00
HSL	46°, 100%, 91%
HSV	46°, 18%, 100%
XYZ	84.9758, 90.5154, 72.6670
YIQ	243.1850, 18.1120, -8.8640

Conversions

Conversions Part 2

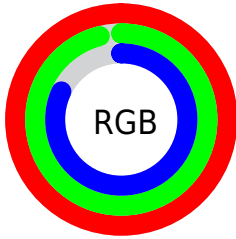
Format	Color
R_{YB}	222, 255, 208
Decimal	16774352
CIE _{Lab}	96.21, -1.99, 18.69
CIE _{LCh}	96, 18.792, 96.072
Yxy	90.5154, 0.3424, 0.3647
Android (android.graphics.Color)	4294964432 (0xFFFFF4D0)
YUV	243.1850, -17.3462, 10.3618
Hunter-Lab	95.1396, -7.0635, 21.3124

Details

The XYZ color **84.9758, 90.5154, 72.6670** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.3933, 71.2909, 104.7108**, and the grayscale version is **85.4642, 89.9150, 97.9175**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1047, 50.3053, 37.7991** is the 20% darker color. If you saturate the color by 10%, you get **80.3221, 85.8314, 56.8621**, and if you desaturate by 10%, it is **90.1965, 95.5252, 91.1516**.

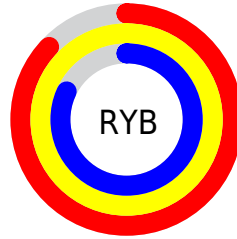
Distribution



Red (100%)

Green (96%)

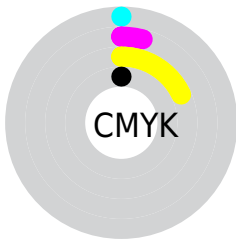
Blue (82%)



Red (87%)

Yellow (100%)

Blue (82%)

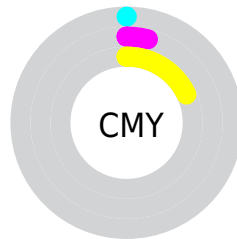


Cyan (0%)

Magenta (4%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.9758, 90.5154, 72.6670 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 84.9758, 90.5154, 72.6670 by changing the saturation by 10% instead.

84.9758, 90.5154,
72.6670

84.9758, 90.5154,
72.6670

500.0329,
529.7060, 488.8997

64.1438, 68.4082,
53.2136

139.2536,
148.0541, 124.7209

47.0293, 50.2299,
37.5844

173.4301,
184.2544, 158.1584

33.2668, 35.5961,
25.3610

212.7854,
225.9211, 197.0944

22.4912, 24.1224,
16.1247

257.6850,
273.4388, 241.9473

14.3369, 15.4245,
9.4571

308.4942,
327.1917, 293.1358

8.4386, 9.1178,
4.9397

365.5783,

4.4310, 4.8181,

387.5643, 351.0783

2.1538

429.3028,
454.9409, 416.1934

■ 1.9487, 2.1409,
0.6475

■ 0.6049, 0.6875,
0.0000

■ 84.9758, 90.5154,
72.6670

■ 84.9758, 90.5154,
72.6670

■ 80.3221, 85.8314,
56.8621

■ 90.1965, 95.5252,
91.1516

■ 76.2041, 81.4507,
43.6043

95.0500, 100.0000,
108.9000

■ 72.5975, 77.3657,
32.7583

■ 69.4733, 73.5641,
24.1738

■ 66.7992, 70.0318,
17.6838

■ 64.5384, 66.7534,
13.0978

■ 62.6477, 63.7106,
10.1907

■ 61.0667, 60.8782,
8.6470

■ 60.8338, 60.4476,
8.4613

Harmonies

Analogous

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



90.1639, 90.5154, 74.5663



84.9758, 90.5154, 72.6670



80.2617, 90.5154, 77.1172

Triad

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



84.9758, 90.5154, 72.6670



78.1786, 90.5154, 116.4516



95.5278, 90.5154, 110.6692

Complementary

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



84.9758, 90.5154, 72.6670



69.3933, 71.2909, 104.7108

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.



92.0728, 90.5154, 123.6396



84.9758, 90.5154, 72.6670



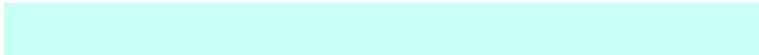
82.0286, 90.5154, 127.2070

Square

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



84.9758, 90.5154, 72.6670



76.4407, 90.5154, 101.6250



87.0973, 90.5154, 129.9617



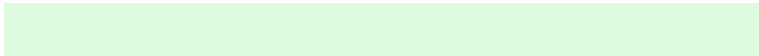
96.3942, 90.5154, 95.5491

Rectangle

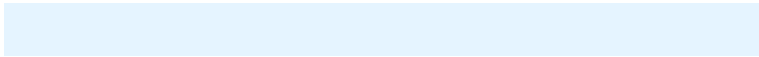
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9758, 90.5154, 72.6670



77.9769, 90.5154, 83.3793



87.0973, 90.5154, 129.9617



94.6240, 90.5154, 115.4706

Sweetspot

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



84.9780, 90.5193, 72.6689



91.5525, 96.7912, 96.0618



76.6817, 71.5268, 77.3022



19.5173, 20.6441, 20.2753



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

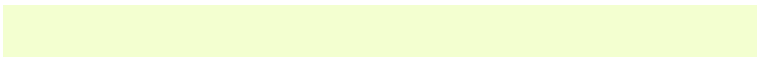
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9780, 90.5193, 72.6689



83.2528, 88.8101, 66.7261



84.1941, 95.1734, 73.6086



19.1799, 20.3279, 19.0571



31.9070, 31.8251, 4.4612



3.1897, 3.2647, 0.4620

Inverse Universe

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



69.3933, 71.2909, 104.7108



65.1258, 66.4468, 104.0008



70.0464, 67.5096, 103.9466



17.3478, 18.0672, 22.8229



10.3599, 5.6294, 49.9751



1.0879, 0.7065, 4.8923

Previews

White Background



This preview shows how the XYZ color 84.9758, 90.5154, 72.6670 looks on a white background.

Color Contrast Check

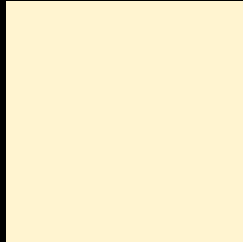
Large Text (above 18pt) WCAG AA × Fail

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 84.9758, 90.5154, 72.6670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

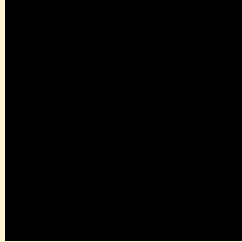
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.9758, 90.5154, 72.6670

Background



This preview shows how black text looks on a background with the XYZ color 84.9758, 90.5154, 72.6670.



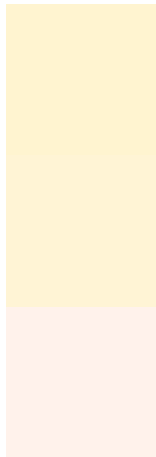
This preview shows how white text looks on a background with the XYZ color 84.9758, 90.5154,

72.6670.

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

84.9758, 90.5154, 72.6670

Protanopia

85.6009, 90.7655, 75.9586

Deuteranopia

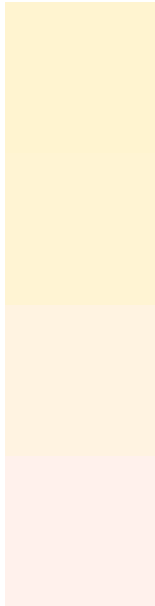
87.9875, 90.7624, 91.4787



Tritanopia

89.9708, 90.6085, 104.8427

Trichromacy



Original Color

84.9758, 90.5154, 72.6670

Protanomaly

85.3486, 90.6645, 74.6297

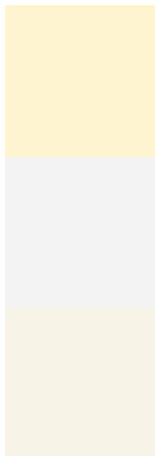
Deuteranomaly

86.8812, 90.7974, 84.1807

Tritanomaly

87.8356, 90.2267, 92.1429

Monochromacy



Original Color

84.9758, 90.5154, 72.6670

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.6913, 89.5885, 87.6915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.9758, 90.5154, 72.6670 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, 244, 208)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 208)  
}
```

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, 244, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 208) }
```

Border

The CSS property to change the border of an element to XYZ 84.9758, 90.5154, 72.6670 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, 244, 208) }
```


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

```
.border{ border-color:rgb(255, 244, 208) }
```

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

Here you see how a box with a 4 pixel rgb(255, 244, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 84.9758, 90.5154, 72.6670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 208) }
```

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

```
.background{ background-color: rgb(255,  
244, 208) }
```

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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