

Converting Colors

XYZ(101.8890, 100.0000,
70.1006)

Have a look what the booklet for
XYZ(101.8890, 100.0000, 70.1006)
contains.

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Color

**XYZ(84.8564, 91.4358,
69.0536)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6CA
RGB	255, 246, 202
RGB Percent	100%, 96%, 79%
CMY	0.0000, 0.0353, 0.2078
CMYK	0.00, 0.04, 0.21, 0.00
HSL	50°, 100%, 90%
HSV	50°, 21%, 100%
XYZ	84.8564, 91.4358, 69.0536
YIQ	243.6750, 19.4880, -11.7760

Conversions

Conversions Part 2

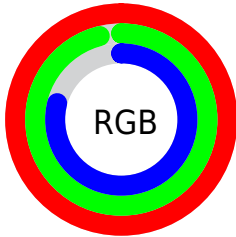
Format	Color
R_{YB}	213, 255, 202
Decimal	16774858
CIE _{Lab}	96.59, -3.85, 22.29
CIE _{LCh}	97, 22.616, 99.794
Yxy	91.4358, 0.3459, 0.3727
Android (android.graphics.Color)	4294964938 (0xFFFFF6CA)
YUV	243.6750, -20.5458, 9.9320
Hunter-Lab	95.6221, -8.9352, 24.1191

Details

The XYZ color **84.8564, 91.4358, 69.0536** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.7009, 66.3632, 103.9543**, and the grayscale version is **85.8793, 90.3517, 98.3930**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0475, 50.9708, 35.3757** is the 20% darker color. If you saturate the color by 10%, you get **80.7830, 87.7279, 54.0107**, and if you desaturate by 10%, it is **89.4639, 95.4126, 86.7381**.

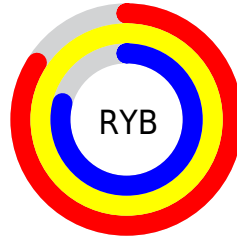
Distribution



Red (100%)

Green (96%)

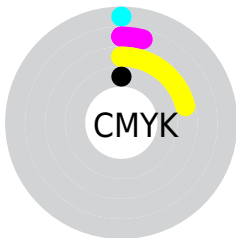
Blue (79%)



Red (84%)

Yellow (100%)

Blue (79%)

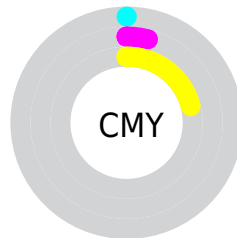


Cyan (0%)

Magenta (4%)

Yellow (21%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 84.8564, 91.4358, 69.0536 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 84.8564, 91.4358, 69.0536 by changing the saturation by 10% instead.


 84.8564, 91.4358,
69.0536

 84.8564, 91.4358,
69.0536


499.6436,
532.6905, 475.9190

 64.0448, 69.1721,
50.2833


139.0876,
149.3312, 119.5266

 46.9488, 50.8519,
35.2658


173.2379,
185.7317, 152.0663

 33.2030, 36.0907,
23.5825


212.5652,
227.6132, 190.0330

 22.4420, 24.5043,
14.8149

257.4348,
275.3602, 233.8451

 14.3004, 15.7081,
8.5444

308.2121,
329.3570, 283.9213

 8.4130, 9.3179,
4.3525

365.2625,

 4.4144, 4.9491,

389.9881, 340.6799

1.8206

428.9512,
457.6377, 404.5397

■ 1.9391, 2.2174,
0.4415

■ 0.5994, 0.7295,
0.0000

■ 84.8564, 91.4358,
69.0536

■ 84.8564, 91.4358,
69.0536

■ 80.7830, 87.7279,
54.0107

■ 89.4639, 95.4126,
86.7381

■ 77.2122, 84.2668,
41.4746

94.6219, 99.6559,
107.1786

■ 74.1197, 81.0453,
31.3074

95.0500, 100.0000,
108.9000

■ 71.4760, 78.0514,
23.3554

■ 69.2482, 75.2716,
17.4467

■ 67.3988, 72.6906,
13.3844

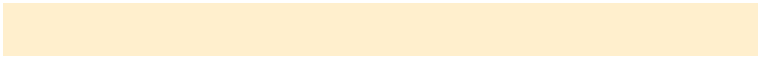
■ 65.8828, 70.2899,
10.9322

■ 64.7153, 68.2107,
9.7551

Harmonies

Analogous

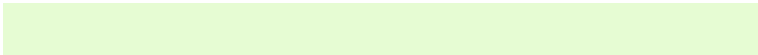
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.1715, 91.4358, 70.3421



84.8564, 91.4358, 69.0536



79.3600, 91.4358, 75.1432

Triad

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



84.8564, 91.4358, 69.0536



77.9016, 91.4358, 123.5319



98.8156, 91.4358, 112.0671

Complementary

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



84.8564, 91.4358, 69.0536



65.7009, 66.3632, 103.9543

Split Complementary

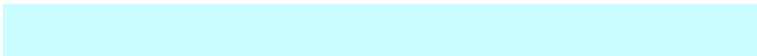
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.9179, 91.4358, 128.7597



84.8564, 91.4358, 69.0536



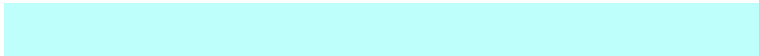
82.7775, 91.4358, 135.9151

Square

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



84.8564, 91.4358, 69.0536



75.4751, 91.4358, 105.5957



88.9903, 91.4358, 137.9363



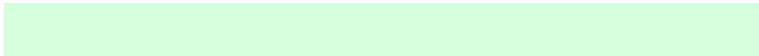
99.4386, 91.4358, 93.7551

Rectangle

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



84.8564, 91.4358, 69.0536



76.8235, 91.4358, 83.0572



88.9903, 91.4358, 137.9363



97.8363, 91.4358, 118.1113

Sweetspot

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



84.8586, 91.4398, 69.0555



91.8609, 97.4081, 96.1647



74.2092, 68.2413, 71.3619



19.5903, 20.7902, 20.2996



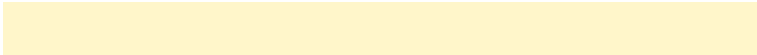
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

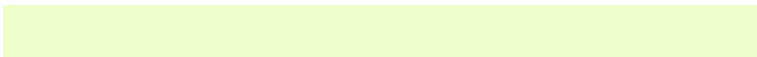
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8586, 91.4398, 69.0555



83.0769, 89.8434, 62.3975



81.7538, 93.9992, 69.7132



19.2835, 20.5351, 19.0917



33.9118, 35.8348, 5.1295



3.3681, 3.6216, 0.5215

Inverse Universe

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



65.7009, 66.3632, 103.9543



60.7353, 60.6019, 103.1040



68.3197, 64.4887, 103.4545



17.2521, 17.8758, 22.7910



9.9604, 4.8303, 49.8420



1.0359, 0.6025, 4.8750

Previews

White Background



This preview shows how the XYZ color 84.8564, 91.4358, 69.0536 looks on a white background.

Color Contrast Check

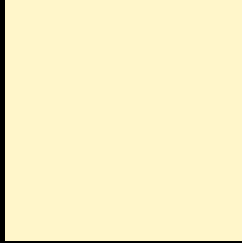
Large Text (above 18pt) WCAG AA × Fail

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 84.8564, 91.4358, 69.0536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

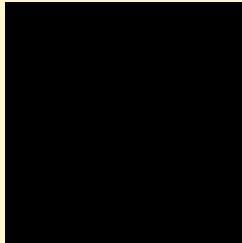
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.8564, 91.4358, 69.0536

Background



This preview shows how black text looks on a background with the XYZ color 84.8564, 91.4358, 69.0536.



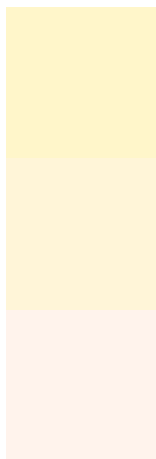
This preview shows how white text looks on a background with the XYZ color 84.8564, 91.4358,

69.0536.

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

84.8564, 91.4358, 69.0536

Protanopia

86.2871, 91.5227, 78.0836

Deuteranopia

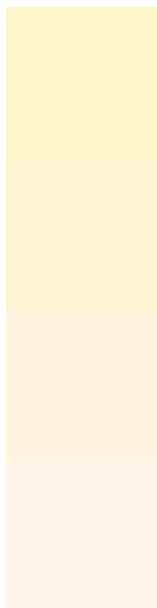
88.4309, 91.4173, 92.3414



Tritanopia

90.2660, 91.1989, 104.9411

Trichromacy



Original Color

84.8564, 91.4358, 69.0536

Protanomaly

85.6503, 91.2680, 74.7302

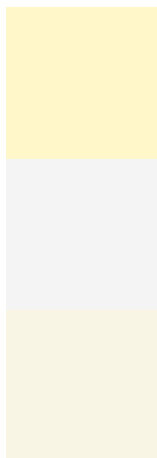
Deuteranomaly

87.0452, 91.3432, 83.5642

Tritanomaly

88.1419, 91.3017, 90.8193

Monochromacy



Original Color

84.8564, 91.4358, 69.0536

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.5067, 90.9184, 87.1711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.8564, 91.4358, 69.0536 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, 246, 202)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 202)  
}
```

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, 246, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 202) }
```

Border

The CSS property to change the border of an element to XYZ 84.8564, 91.4358, 69.0536 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, 246, 202) }
```


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

```
.border{ border-color:rgb(255, 246, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 202);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 84.8564, 91.4358, 69.0536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 202) }
```

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

```
.background{ background-color: rgb(255,  
246, 202) }
```

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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