

Converting Colors

XYZ(103.7743, 100.0000,
78.2012)

Have a look what the booklet for
XYZ(103.7743, 100.0000, 78.2012)
contains.

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Color

**XYZ(85.8564, 90.8677,
77.3041)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFF4D7 |
| RGB | 255, 244, 215 |
| RGB Percent | 100%, 96%, 84% |
| CMY | 0.0000, 0.0431, 0.1569 |
| CMYK | 0.00, 0.04, 0.16, 0.00 |
| HSL | 44°, 100%, 92% |
| HSV | 44°, 16%, 100% |
| XYZ | 85.8564, 90.8677, 77.3041 |
| YIQ | 243.9830, 15.8650, -6.6870 |

Conversions

Conversions Part 2

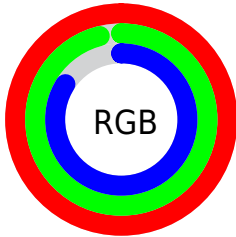
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 230, 255, 215 |
| Decimal | 16774359 |
| CIE Lab | 96.36, -0.96, 15.30 |
| CIE LCh | 96, 15.326, 93.577 |
| Yxy | 90.8677, 0.3380, 0.3577 |
| Android (android.graphics.Color) | 4294964439 (0xFFFFF4D7) |
| YUV | 243.9830, -14.2886, 9.6619 |
| Hunter-Lab | 95.3246, -6.0476, 18.6456 |

Details

The XYZ color **85.8564, 90.8677, 77.3041** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.2700, 76.0577, 105.4266**, and the grayscale version is **86.0792, 90.5621, 98.6221**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6171, 50.5103, 40.4975** is the 20% darker color. If you saturate the color by 10%, you get **80.7634, 85.5229, 60.6812**, and if you desaturate by 10%, it is **91.5448, 96.5850, 96.6474**.

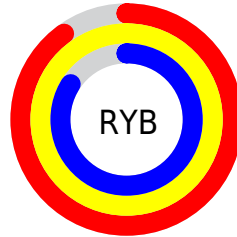
Distribution



Red (100%)

Green (96%)

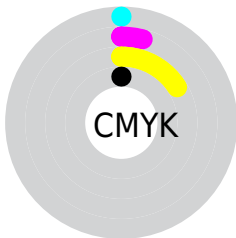
Blue (84%)



Red (90%)

Yellow (100%)

Blue (84%)

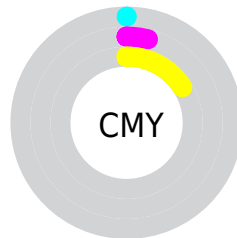


Cyan (0%)

Magenta (4%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.8564, 90.8677, 77.3041 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 85.8564, 90.8677, 77.3041 by changing the saturation by 10% instead.


 85.8564, 90.8677,
77.3041

 85.8564, 90.8677,
77.3041


502.8987,
530.8494, 505.2654

 64.8741, 68.7005,
56.9894


140.4769,
148.5431, 131.3456

 47.6233, 50.4679,
40.5875


174.8459,
184.8201, 165.9095

 33.7387, 35.7853,
27.6796


214.4078,
226.5692, 206.0603

 22.8549, 24.2684,
17.8473

259.5280,
274.1747, 252.2164

 14.6065, 15.5329,
10.6721

310.5718,
328.0211, 304.7964

 8.6282, 9.1942,
5.7354

367.9046,

 4.5546, 4.8681,

388.4928, 364.2189

2.6187

431.8918,
455.9741, 430.9024

■ 2.0204, 2.1701,
0.9021

■ 0.6454, 0.7036,
0.0000

■ 85.8564, 90.8677,
77.3041

■ 85.8564, 90.8677,
77.3041

■ 80.7634, 85.5229,
60.6812

■ 91.5448, 96.5850,
96.6474

■ 76.2347, 80.5278,
46.6483

95.0500, 100.0000,
108.9000

■ 72.2462, 75.8743,
35.0731

■ 68.7693, 71.5493,
25.8092

■ 65.7722, 67.5389,
18.6945

■ 63.2192, 63.8272,
13.5456

■ 61.0689, 60.3960,
10.1485

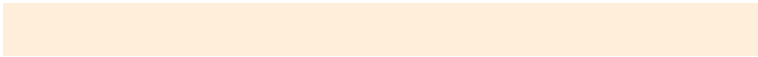
■ 59.2700, 57.2234,
8.2380

■ 58.5706, 55.9212,
7.7069

Harmonies

Analogous

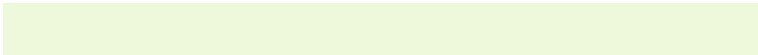
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0674, 90.8677, 79.3643



85.8564, 90.8677, 77.3041



81.9110, 90.8677, 80.6361

Triad

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



85.8564, 90.8677, 77.3041



79.7141, 90.8677, 112.5037



93.9201, 90.8677, 109.7614

Complementary

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



85.8564, 90.8677, 77.3041



73.2700, 76.0577, 105.4266

Split Complementary

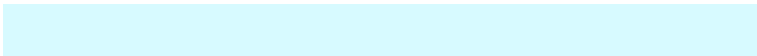
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.9818, 90.8677, 119.8221



85.8564, 90.8677, 77.3041



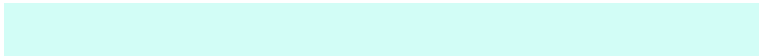
82.7694, 90.8677, 121.4946

Square

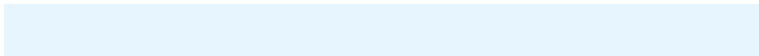
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.8564, 90.8677, 77.3041



78.4391, 90.8677, 100.4120



86.8797, 90.8677, 124.2762



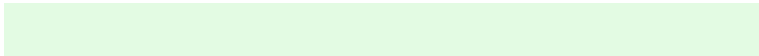
94.8119, 90.8677, 97.4814

Rectangle

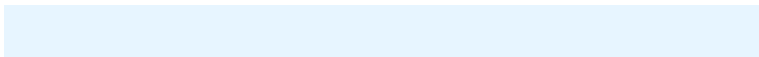
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.8564, 90.8677, 77.3041



79.9357, 90.8677, 85.6414



86.8797, 90.8677, 124.2762



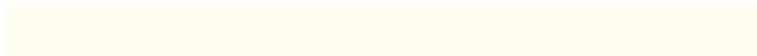
93.1344, 90.8677, 113.5474

Sweetspot

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



85.8586, 90.8716, 77.3060



91.9568, 96.9903, 98.0758



79.3144, 75.3712, 82.5603



19.5921, 20.6710, 20.6789



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

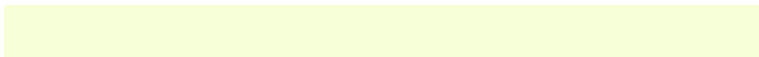
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8586, 90.8716, 77.3060



84.1055, 89.0589, 71.5007



86.1492, 96.0796, 78.2960



19.1143, 20.1968, 19.0353



30.7357, 29.4827, 4.0708



3.0841, 3.0535, 0.4268

Inverse Universe

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



73.2700, 76.0577, 105.4266



69.2148, 71.5371, 104.7678



72.9887, 71.6162, 104.5841



17.4093, 18.1902, 22.8434



10.6849, 6.2794, 50.0835



1.1270, 0.7846, 4.9053

Previews

White Background



This preview shows how the XYZ color 85.8564, 90.8677, 77.3041 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 85.8564, 90.8677, 77.3041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

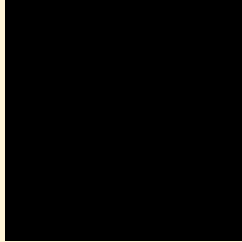
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.8564, 90.8677, 77.3041

Background



This preview shows how black text looks on a background with the XYZ color 85.8564, 90.8677, 77.3041.



This preview shows how white text looks on a background with the XYZ color 85.8564, 90.8677,

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

85.8564, 90.8677, 77.3041

Protanopia

86.1151, 90.9711, 78.6661

Deuteranopia

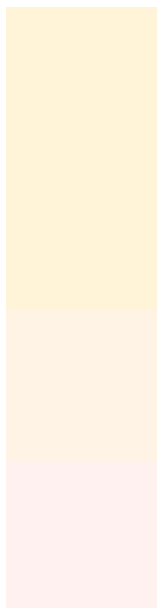
88.2782, 90.8787, 93.0093



Tritanopia

89.9708, 90.6085, 104.8427

Trichromacy



Original Color

85.8564, 90.8677, 77.3041

Protanomaly

85.9854, 90.9192, 77.9830

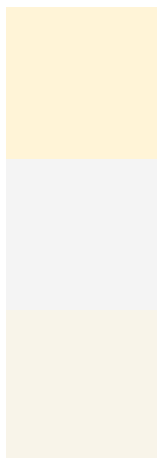
Deuteranomaly

87.4334, 91.0183, 87.0888

Tritanomaly

88.2753, 90.4026, 94.4582

Monochromacy



Original Color

85.8564, 90.8677, 77.3041

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.7701, 90.5410, 90.0464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.8564, 90.8677, 77.3041 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 215) }
```

Border

The CSS property to change the border of an element to XYZ 85.8564, 90.8677, 77.3041 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, 215) }
```


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

```
.border{ border-color:rgb(255, 244, 215) }
```

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, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 215);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 85.8564, 90.8677, 77.3041 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, 215) }
```

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

```
.background{ background-color: rgb(255,  
244, 215) }
```

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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