

Converting Colors

XYZ(84.9631, 89.8293, 76.4809)

Have a look what the booklet for
XYZ(84.9631, 89.8293, 76.4809)
contains.

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Color

**XYZ(85.0612, 90.0271,
76.5121)**

Conversions

Conversions Part 1

Format	Color
Hex	FEF3D6
RGB	254, 243, 214
RGB Percent	100%, 95%, 84%
CMY	0.0039, 0.0470, 0.1608
CMYK	0.00, 0.04, 0.16, 0.00
HSL	44°, 95%, 92%
HSV	44°, 16%, 100%
XYZ	85.0612, 90.0271, 76.5121
YIQ	242.9830, 15.8650, -6.6870

Conversions

Conversions Part 2

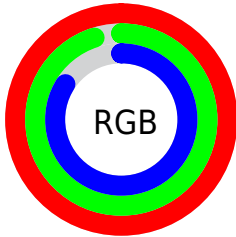
Format	Color
RYB	229, 254, 214
Decimal	16708566
CIELab	96.01, -0.96, 15.31
CIELCh	96, 15.338, 93.570
Yxy	90.0271, 0.3381, 0.3578
Android (android.graphics.Color)	4294898646 (0xFFFEF3D6)
YUV	242.9830, -14.2886, 9.6619
Hunter-Lab	94.8826, -6.0213, 18.6071

Details

The XYZ color **85.0612, 90.0271, 76.5121** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.5458, 75.3005, 104.4773**, and the grayscale version is **85.2812, 89.7225, 97.7078**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.0543, 49.9142, 39.9553** is the 20% darker color. If you saturate the color by 10%, you get **80.0180, 84.7330, 60.0555**, and if you desaturate by 10%, it is **90.6946, 95.6905, 95.6630**.

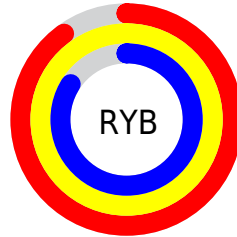
Distribution



Red (100%)

Green (95%)

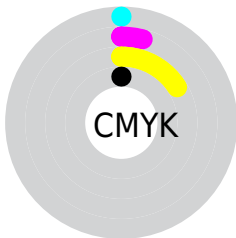
Blue (84%)



Red (90%)

Yellow (100%)

Blue (84%)

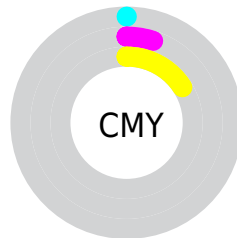


Cyan (0%)

Magenta (4%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.0612, 90.0271, 76.5121 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 85.0612, 90.0271, 76.5121 by changing the saturation by 10% instead.


 85.0612, 90.0271,
76.5121

 85.0612, 90.0271,
76.5121


500.3112,
528.1190, 502.4923

 64.2146, 68.0031,
56.3434

139.3723,
147.3760, 130.2172

 47.0868, 49.9003,
40.0724


173.5675,
183.4698, 164.5907

 33.3126, 35.3342,
27.2808


212.9429,
225.0222, 204.5362

 22.5264, 23.9204,
17.5499

257.8639,
272.4178, 250.4722

 14.3629, 15.2746,
10.4613

308.6959,
326.0409, 302.8173

 8.4569, 9.0123,
5.5963

365.8042,

 4.4429, 4.7492,

386.2758, 361.9900

2.5364

429.5542,
453.5071, 428.4088

■ 1.9556, 2.1009,
0.8593

■ 0.6089, 0.6651,
0.0000

■ 85.0612, 90.0271,
76.5121

■ 85.0612, 90.0271,
76.5121

■ 80.0180, 84.7330,
60.0555

■ 90.6946, 95.6905,
95.6630

■ 75.5335, 79.7851,
46.1642

94.6833, 99.8109,
108.8828

■ 71.5840, 75.1755,
34.7070

■ 68.1412, 70.8915,
25.5388

■ 65.1736, 66.9189,
18.4988

■ 62.6458, 63.2423,
13.4055

■ 60.5167, 59.8435,
10.0466

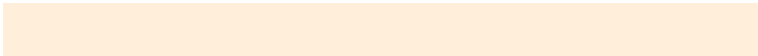
■ 58.7355, 56.7006,
8.1592

■ 58.0522, 55.4288,
7.6392

Harmonies

Analogous

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



89.2496, 90.0271, 78.5612



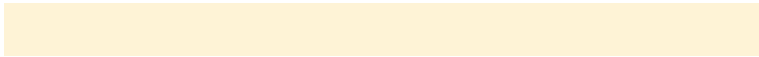
85.0612, 90.0271, 76.5121



81.1372, 90.0271, 79.8228

Triad

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



85.0612, 90.0271, 76.5121



78.9512, 90.0271, 111.5149



93.0808, 90.0271, 108.7920

Complementary

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



85.0612, 90.0271, 76.5121



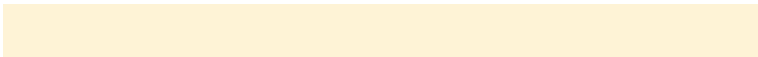
72.5458, 75.3005, 104.4773

Split Complementary

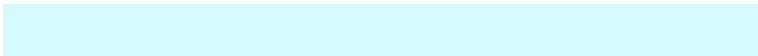
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.1574, 90.0271, 118.8013



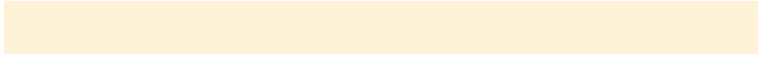
85.0612, 90.0271, 76.5121



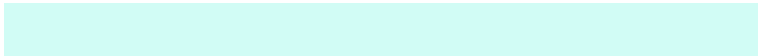
81.9892, 90.0271, 120.4623

Square

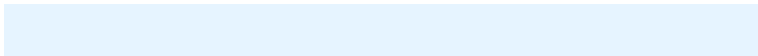
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.0612, 90.0271, 76.5121



77.6838, 90.0271, 99.4859



86.0769, 90.0271, 123.2321



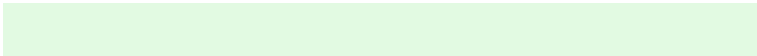
93.9685, 90.0271, 96.5769

Rectangle

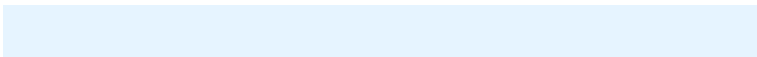
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.0612, 90.0271, 76.5121



79.1726, 90.0271, 84.7982



86.0769, 90.0271, 123.2321



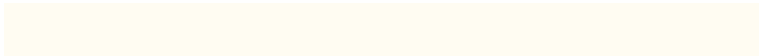
92.2989, 90.0271, 112.5586

Sweetspot

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



85.0636, 90.0311, 76.5140



91.9568, 96.9902, 98.0757



78.5567, 74.6196, 81.7366



19.5921, 20.6710, 20.6789



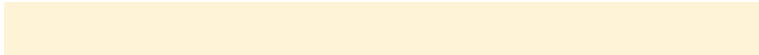
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

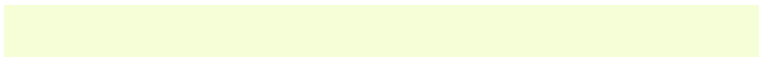
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0636, 90.0311, 76.5140



84.1053, 89.0586, 71.5007



85.3527, 95.2118, 77.4988



19.1143, 20.1967, 19.0353



30.7355, 29.4822, 4.0707



3.0840, 3.0534, 0.4268

Inverse Universe

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



72.5458, 75.3005, 104.4773



69.2149, 71.5374, 104.7678



72.2659, 70.8852, 103.6398



17.4093, 18.1902, 22.8434



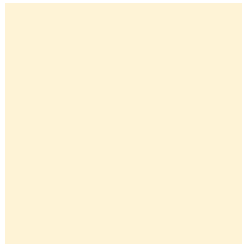
10.6850, 6.2796, 50.0835



1.1270, 0.7846, 4.9053

Previews

White Background



This preview shows how the XYZ color 85.0612, 90.0271, 76.5121 looks on a white background.

Color Contrast Check

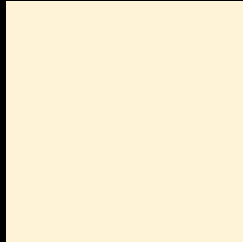
Large Text (above 18pt) WCAG AA × Fail

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 85.0612, 90.0271, 76.5121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

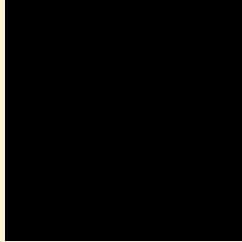
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.0612, 90.0271, 76.5121

Background



This preview shows how black text looks on a background with the XYZ color 85.0612, 90.0271, 76.5121.



This preview shows how white text looks on a background with the XYZ color 85.0612, 90.0271,

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

85.0612, 90.0271, 76.5121

Protanopia

85.4282, 90.2162, 76.5293

Deuteranopia

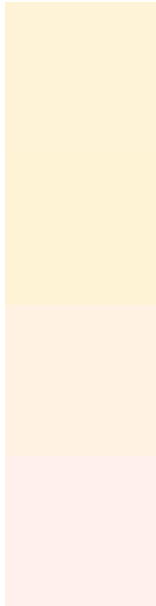
87.6907, 90.1688, 91.3798



Tritanopia

89.6772, 90.0213, 104.7448

Trichromacy



Original Color

85.0612, 90.0271, 76.5121

Protanomaly

85.4282, 90.2162, 76.5293

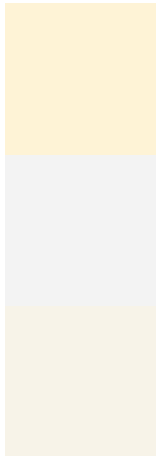
Deuteranomaly

86.8573, 90.3103, 85.5268

Tritanomaly

87.8327, 89.7532, 93.5837

Monochromacy



Original Color

85.0612, 90.0271, 76.5121

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.9739, 89.7015, 89.1795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.0612, 90.0271, 76.5121 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(254, 243, 214) looks like.

```
.text, #text, p{  
    color:rgb(254, 243, 214)  
}
```

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(254, 243, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 243, 214) }
```

Border

The CSS property to change the border of an element to XYZ 85.0612, 90.0271, 76.5121 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(254, 243, 214) }
```


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

```
.border{ border-color:rgb(254, 243, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 243, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 243, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 243, 214);  
box-shadow:4px 4px 4px 4px rgb(254, 243,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 85.0612, 90.0271, 76.5121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 243, 214) }
```

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

```
.background{ background-color: rgb(254,  
243, 214) }
```

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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