

Converting Colors

XYZ(102.1830, 100.0000,
75.0200)

Have a look what the booklet for
XYZ(102.1830, 100.0000, 75.0200)
contains.

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Color

**XYZ(85.5253, 91.2180,
74.0719)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF5D2
RGB	255, 245, 210
RGB Percent	100%, 96%, 82%
CMY	0.0000, 0.0392, 0.1765
CMYK	0.00, 0.04, 0.18, 0.00
HSL	47°, 100%, 91%
HSV	47°, 18%, 100%
XYZ	85.5253, 91.2180, 74.0719
YIQ	244.0000, 17.1950, -8.7650

Conversions

Conversions Part 2

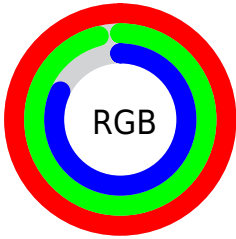
Format	Color
R _Y B	223, 255, 210
Decimal	16774610
CIE Lab	96.50, -2.20, 18.07
CIE LCh	96, 18.200, 96.943
Yxy	91.2180, 0.3410, 0.3637
Android (android.graphics.Color)	4294964690 (0xFFFFF5D2)
YUV	244.0000, -16.7620, 9.6470
Hunter-Lab	95.5081, -7.2966, 20.8730

Details

The XYZ color **85.5253, 91.2180, 74.0719** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.2209, 72.1060, 104.8245**, and the grayscale version is **86.1112, 90.5957, 98.6587**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4027, 50.7675, 38.3111** is the 20% darker color. If you saturate the color by 10%, you get **80.9115, 86.6759, 58.0894**, and if you desaturate by 10%, it is **90.7021, 96.0754, 92.7419**.

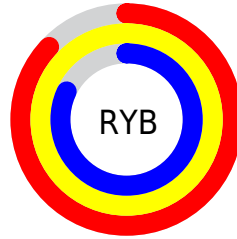
Distribution



Red (100%)

Green (96%)

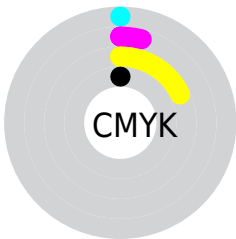
Blue (82%)



Red (87%)

Yellow (100%)

Blue (82%)

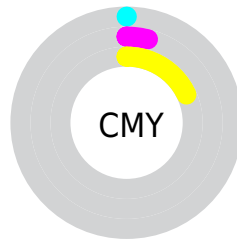


Cyan (0%)

Magenta (4%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.5253, 91.2180, 74.0719 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 85.5253, 91.2180, 74.0719 by changing the saturation by 10% instead.


 85.5253, 91.2180,
74.0719

 85.5253, 91.2180,
74.0719


501.8222,
531.9850, 493.8915

 64.5995, 68.9913,
54.3557


140.0171,
149.0291, 126.7327

 47.3999, 50.7046,
38.4910


174.3138,
185.3823, 160.5144

 33.5611, 35.9736,
26.0592

213.7981,
227.2131, 199.8218

 22.7180, 24.4138,
16.6418


258.8355,
274.9059, 245.0733

 14.5049, 15.6409,
9.8202

309.7912,
328.8451, 296.6875

 8.5567, 9.2704,
5.1759

367.0307,

 4.5080, 4.9180,

389.4151, 355.0829

2.2903

430.9192,
457.0003, 420.6780

■ 1.9933, 2.1992,
0.7258

■ 0.6302, 0.7196,
0.0000

■ 85.5253, 91.2180,
74.0719

■ 85.5253, 91.2180,
74.0719

■ 80.9115, 86.6759,
58.0894

■ 90.7021, 96.0754,
92.7419

■ 76.8299, 82.4267,
44.6623

95.0500, 100.0000,
108.9000

■ 73.2563, 78.4632,
33.6564

■ 70.1620, 74.7731,
24.9226

■ 67.5151, 71.3428,
18.2953

■ 65.2794, 68.1571,
13.5862

■ 63.4123, 65.1982,
10.5736

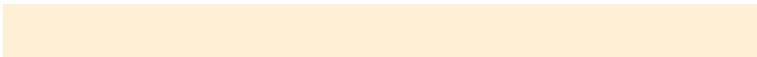
■ 61.8577, 62.4428,
8.9648

■ 61.5181, 61.8161,
8.6894

Harmonies

Analogous

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



90.5800, 91.2180, 75.7527



85.5253, 91.2180, 74.0719



80.9640, 91.2180, 78.6090

Triad

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



85.5253, 91.2180, 74.0719



79.1292, 91.2180, 117.0900



95.9963, 91.2180, 110.6785

Complementary

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



85.5253, 91.2180, 74.0719



70.2209, 72.1060, 104.8245

Split Complementary

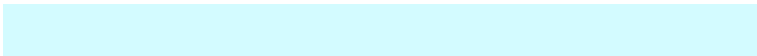
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.7007, 91.2180, 123.3844



85.5253, 91.2180, 74.0719



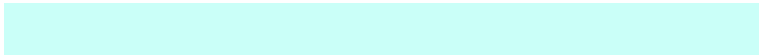
82.9324, 91.2180, 127.3312

Square

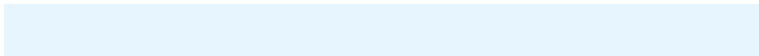
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5253, 91.2180, 74.0719



77.3657, 91.2180, 102.7389



87.8854, 91.2180, 129.7402



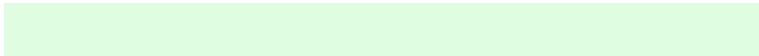
96.7564, 91.2180, 95.9796

Rectangle

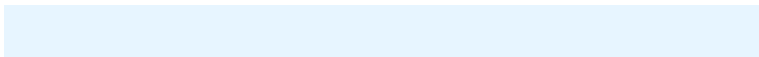
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.5253, 91.2180, 74.0719



78.7725, 91.2180, 84.8372



87.8854, 91.2180, 129.7402



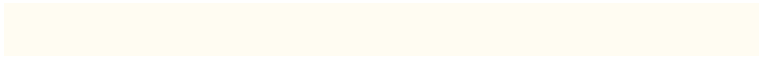
95.1422, 91.2180, 115.3658

Sweetspot

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



85.5274, 91.2219, 74.0738



92.1679, 97.4124, 98.1461



77.2719, 72.5480, 77.9894



19.6436, 20.7738, 20.6960



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.



85.5274, 91.2219, 74.0738



83.9183, 89.6635, 68.4201



84.3554, 95.2280, 74.9089



19.1989, 20.3660, 19.0635



32.2607, 32.5326, 4.5791



3.2214, 3.3281, 0.4726

Inverse Universe

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



70.2209, 72.1060, 104.8245



66.1392, 67.4612, 104.1431



71.2217, 68.8439, 104.1422



17.3301, 18.0318, 22.8170



10.2764, 5.4624, 49.9473



1.0775, 0.6857, 4.8888

Previews

White Background



This preview shows how the XYZ color 85.5253, 91.2180, 74.0719 looks on a white background.

Color Contrast Check

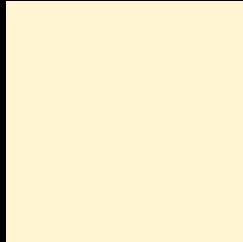
Large Text (above 18pt) WCAG AA × Fail

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 85.5253, 91.2180, 74.0719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

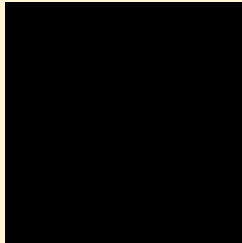
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.5253, 91.2180, 74.0719

Background



This preview shows how black text looks on a background with the XYZ color 85.5253, 91.2180, 74.0719.



This preview shows how white text looks on a background with the XYZ color 85.5253, 91.2180,

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

85.5253, 91.2180, 74.0719

Protanopia

86.1151, 90.9711, 78.6661

Deuteranopia

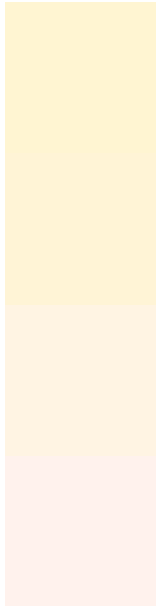
88.5767, 91.4756, 93.1088



Tritanopia

90.2660, 91.1989, 104.9411

Trichromacy



Original Color

85.5253, 91.2180, 74.0719

Protanomaly

85.7283, 90.8164, 76.6293

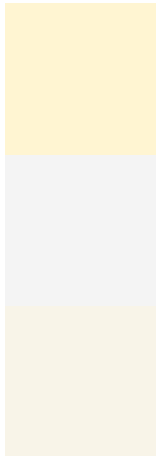
Deuteranomaly

87.4558, 91.5074, 85.7263

Tritanomaly

88.2782, 90.8787, 93.0093

Monochromacy



Original Color

85.5253, 91.2180, 74.0719

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.6276, 90.4840, 89.2960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.5253, 91.2180, 74.0719 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 210)  
}
```

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, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 210) }
```

Border

The CSS property to change the border of an element to XYZ 85.5253, 91.2180, 74.0719 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, 210) }
```


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

```
.border{ border-color:rgb(255, 245, 210) }
```

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, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 85.5253, 91.2180, 74.0719 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, 210) }
```

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

```
.background{ background-color: rgb(255,  
245, 210) }
```

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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