

Converting Colors

XYZ(85.3911, 91.0530, 73.7081)

Have a look what the booklet for
XYZ(85.3911, 91.0530, 73.7081)
contains.

XYZ(85.4010, 91.1683, 73.4177)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(85.4010, 91.1683,
73.4177)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF5D1
RGB	255, 245, 209
RGB Percent	100%, 96%, 82%
CMY	0.0000, 0.0392, 0.1804
CMYK	0.00, 0.04, 0.18, 0.00
HSL	47°, 100%, 91%
HSV	47°, 18%, 100%
XYZ	85.4010, 91.1683, 73.4177
YIQ	243.8860, 17.5160, -9.0760

Conversions

Conversions Part 2

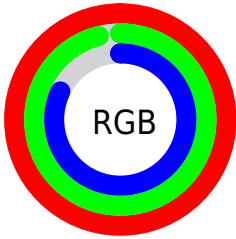
Format	Color
R_{YB}	222, 255, 209
Decimal	16774609
CIE _{Lab}	96.48, -2.35, 18.55
CIE _{LCh}	96, 18.699, 97.207
Yxy	91.1683, 0.3416, 0.3647
Android (android.graphics.Color)	4294964689 (0xFFFFF5D1)
YUV	243.8860, -17.1988, 9.7470
Hunter-Lab	95.4821, -7.4399, 21.2484

Details

The XYZ color **85.4010, 91.1683, 73.4177** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.6754, 71.4363, 104.7240**, and the grayscale version is **86.0232, 90.5031, 98.5579**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3190, 50.7341, 37.8705** is the 20% darker color. If you saturate the color by 10%, you get **80.8428, 86.7062, 57.5492**, and if you desaturate by 10%, it is **90.5192, 95.9408, 91.9681**.

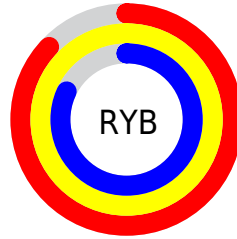
Distribution



Red (100%)

Green (96%)

Blue (82%)



Red (87%)

Yellow (100%)

Blue (82%)

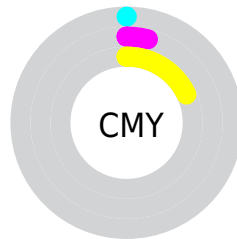


Cyan (0%)

Magenta (4%)

Yellow (18%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.4010, 91.1683, 73.4177 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 85.4010, 91.1683, 73.4177 by changing the saturation by 10% instead.


 85.4010, 91.1683,
73.4177

 85.4010, 91.1683,
73.4177


501.4177,
531.8240, 491.5708

 64.4964, 68.9500,
53.8237

139.8444,
148.9602, 125.7964

 47.3160, 50.6710,
38.0685


174.1140,
185.3025, 159.4182

 33.4945, 35.9469,
25.7336


213.5692,
227.1217, 198.5530

 22.6666, 24.3932,
16.4005

258.5754,
274.8022, 243.6193

 14.4669, 15.6255,
9.6506

309.4980,
328.7282, 295.0357

 8.5300, 9.2596,
5.0653

366.7024,

 4.4905, 4.9109,

389.2843, 353.2207

2.2262

430.5538,
456.8547, 418.5929

■ 1.9832, 2.1951,
0.6894

■ 0.6245, 0.7173,
0.0000

■ 85.4010, 91.1683,
73.4177

■ 85.4010, 91.1683,
73.4177

■ 80.8428, 86.7062,
57.5492

■ 90.5192, 95.9408,
91.9681

■ 76.8135, 82.5323,
44.2304

95.0500, 100.0000,
108.9000

■ 73.2890, 78.6391,
33.3264

■ 70.2404, 75.0146,
24.6876

■ 67.6358, 71.6451,
18.1477

■ 65.4388, 68.5154,
13.5174

■ 63.6064, 65.6075,
10.5733

■ 62.0807, 62.8976,
9.0121

■ 61.8014, 62.3828,
8.7838

Harmonies

Analogous

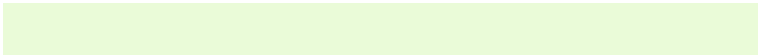
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5952, 91.1683, 75.0784



85.4010, 91.1683, 73.4177



80.7303, 91.1683, 78.1085

Triad

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



85.4010, 91.1683, 73.4177



78.9101, 91.1683, 117.6621



96.2285, 91.1683, 110.8114

Complementary

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



85.4010, 91.1683, 73.4177



69.6754, 71.4363, 104.7240

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.



92.8580, 91.1683, 123.9375



85.4010, 91.1683, 73.4177



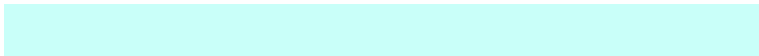
82.8263, 91.1683, 128.1614

Square

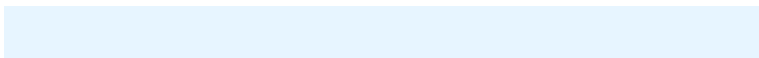
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.4010, 91.1683, 73.4177



77.0816, 91.1683, 102.9128



87.9166, 91.1683, 130.5660



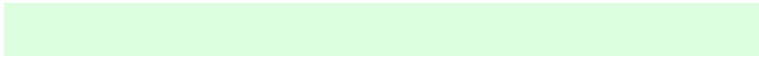
96.9851, 91.1683, 95.7079

Rectangle

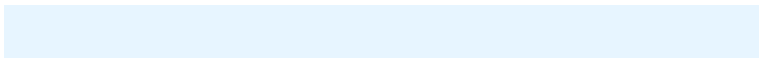
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.4010, 91.1683, 73.4177



78.4947, 91.1683, 84.5130



87.9166, 91.1683, 130.5660



95.3572, 91.1683, 115.6448

Sweetspot

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



85.4032, 91.1722, 73.4196



92.1873, 97.4511, 98.1526



76.9241, 72.0151, 77.3721



19.6483, 20.7832, 20.6976



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.



85.4032, 91.1722, 73.4196



83.5315, 89.3674, 66.8190



84.1392, 95.1309, 74.2503



19.2067, 20.3815, 19.0661



32.4071, 32.8255, 4.6279



3.2344, 3.3543, 0.4770

Inverse Universe

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



69.6754, 71.4363, 104.7240



64.8929, 65.9809, 103.9231



70.7514, 68.2361, 104.0496



17.3229, 18.0174, 22.8146



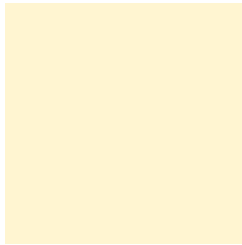
10.2436, 5.3969, 49.9364



1.0733, 0.6774, 4.8874

Previews

White Background



This preview shows how the XYZ color 85.4010, 91.1683, 73.4177 looks on a white background.

Color Contrast Check

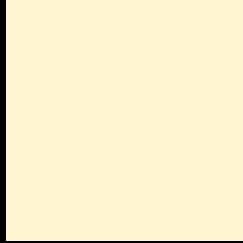
Large Text (above 18pt) WCAG AA × Fail

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 85.4010, 91.1683, 73.4177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

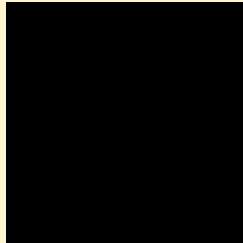
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.4010, 91.1683, 73.4177

Background



This preview shows how black text looks on a background with the XYZ color 85.4010, 91.1683, 73.4177.



This preview shows how white text looks on a background with the XYZ color 85.4010, 91.1683,

73.4177.

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

85.4010, 91.1683, 73.4177

Protanopia

86.1151, 90.9711, 78.6661

Deuteranopia

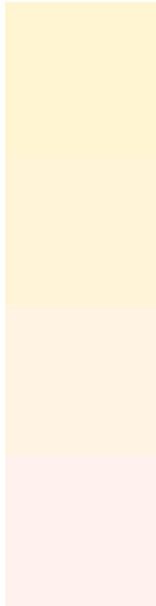
88.4309, 91.4173, 92.3414



Tritanopia

90.2660, 91.1989, 104.9411

Trichromacy



Original Color

85.4010, 91.1683, 73.4177

Protanomaly

85.7283, 90.8164, 76.6293

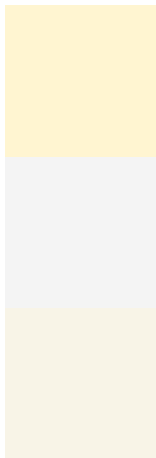
Deuteranomaly

87.3182, 91.4524, 85.0014

Tritanomaly

88.1325, 90.8204, 92.2419

Monochromacy



Original Color

85.4010, 91.1683, 73.4177

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.4859, 90.4273, 88.5499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.4010, 91.1683, 73.4177 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 209) }
```

Border

The CSS property to change the border of an element to XYZ 85.4010, 91.1683, 73.4177 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, 209) }
```


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

```
.border{ border-color:rgb(255, 245, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 85.4010, 91.1683, 73.4177 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, 209) }
```

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

```
.background{ background-color: rgb(255,  
245, 209) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor