

Converting Colors

XYZ(101.6325, 100.0000,
72.5075)

Have a look what the booklet for
XYZ(101.6325, 100.0000, 72.5075)
contains.

XYZ(85.3363, 91.6278, 71.5807)	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(85.3363, 91.6278,
71.5807)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6CE
RGB	255, 246, 206
RGB Percent	100%, 96%, 81%
CMY	0.0000, 0.0353, 0.1921
CMYK	0.00, 0.04, 0.19, 0.00
HSL	49°, 100%, 90%
HSV	49°, 19%, 100%
XYZ	85.3363, 91.6278, 71.5807
YIQ	244.1310, 18.2040, -10.5320

Conversions

Conversions Part 2

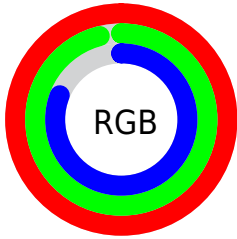
Format	Color
R_{YB}	217, 255, 206
Decimal	16774862
CIE _{Lab}	96.67, -3.28, 20.35
CIE _{LCh}	97, 20.614, 99.158
Yxy	91.6278, 0.3433, 0.3687
Android (android.graphics.Color)	4294964942 (0xFFFFF6CE)
YUV	244.1310, -18.7986, 9.5321
Hunter-Lab	95.7224, -8.3819, 22.6689

Details

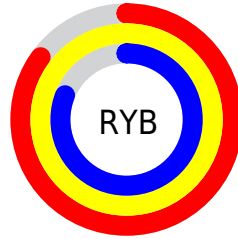
The XYZ color **85.3363, 91.6278, 71.5807** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.8034, 68.9407, 104.3410**, and the grayscale version is **86.2314, 90.7222, 98.7964**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3697, 51.0997, 37.0723** is the 20% darker color. If you saturate the color by 10%, you get **81.0813, 87.6795, 56.0990**, and if you desaturate by 10%, it is **90.1343, 95.8569, 89.7252**.

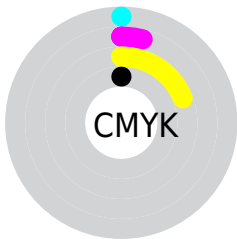
Distribution



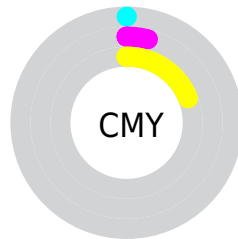
- Red (100%)
- Green (96%)
- Blue (81%)



- Red (85%)
- Yellow (100%)
- Blue (81%)



- Cyan (0%)
- Magenta (4%)
- Yellow (19%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.3363, 91.6278, 71.5807 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 85.3363, 91.6278, 71.5807 by changing the saturation by 10% instead.


 85.3363, 91.6278,
71.5807

 85.3363, 91.6278,
71.5807


501.2071,
533.3119, 485.0191

 64.4427, 69.3315,
52.3315


139.7545,
149.5974, 123.1624

 47.2724, 50.9818,
36.8853


174.0099,
186.0396, 156.3319

 33.4599, 36.1941,
24.8236


213.4499,
227.9658, 194.9787

 22.6399, 24.5841,
15.7279

258.4400,
275.7605, 239.5211

 14.4471, 15.7675,
9.1795

309.3453,
329.8081, 290.3779

 8.5160, 9.3598,
4.7601

366.5314,

 4.4814, 4.9766,

390.4929, 347.9674

2.0509

430.3636,
458.1994, 412.7083

■ 1.9779, 2.2335,
0.5863

■ 0.6215, 0.7382,
0.0000

■ 85.3363, 91.6278,
71.5807

■ 85.3363, 91.6278,
71.5807

■ 81.0813, 87.6795,
56.0990

■ 90.1343, 95.8569,
89.7252

■ 77.3382, 83.9899,
43.1467

95.0500, 100.0000,
108.9000

■ 74.0827, 80.5519,
32.5877

■ 71.2858, 77.3534,
24.2708

■ 68.9152, 74.3813,
18.0272

■ 66.9342, 71.6202,
13.6647

■ 65.2991, 69.0523,
10.9544

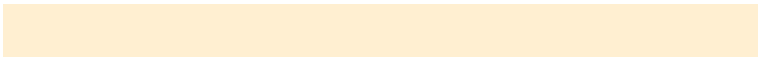
■ 63.9442, 66.6509,
9.5522

■ 63.8435, 66.4669,
9.4645

Harmonies

Analogous

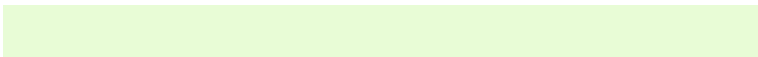
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.0952, 91.6278, 72.9303



85.3363, 91.6278, 71.5807



80.2725, 91.6278, 77.1098

Triad

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



85.3363, 91.6278, 71.5807



78.7699, 91.6278, 121.1973



97.8706, 91.6278, 111.4998

Complementary

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



85.3363, 91.6278, 71.5807



67.8034, 68.9407, 104.3410

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.



94.2819, 91.6278, 126.4775



85.3363, 91.6278, 71.5807



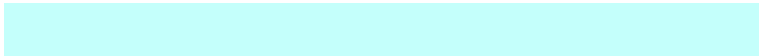
83.2029, 91.6278, 132.4916

Square

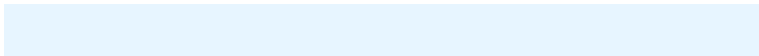
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.3363, 91.6278, 71.5807



76.5930, 91.6278, 104.9080



88.8665, 91.6278, 134.5238



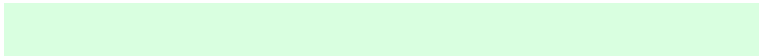
98.5036, 91.6278, 94.7970

Rectangle

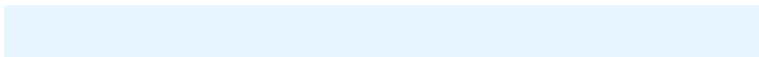
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.3363, 91.6278, 71.5807



77.9104, 91.6278, 84.3535



88.8665, 91.6278, 134.5238



96.9626, 91.6278, 116.9525

Sweetspot

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



85.3385, 91.6318, 71.5826



91.7943, 97.2747, 96.1424



75.6808, 70.3512, 74.4216



19.5746, 20.7586, 20.2944



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

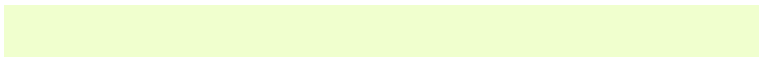
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3385, 91.6318, 71.5826



83.6651, 90.1043, 65.4159



82.9381, 94.5542, 72.2732



19.2611, 20.4903, 19.0842



33.4618, 34.9349, 4.9795



3.3283, 3.5420, 0.5082

Inverse Universe

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



67.8034, 68.9407, 104.3410



63.2468, 63.6842, 103.5666



69.8497, 66.6889, 103.7985



17.2727, 17.9169, 22.7979



10.0356, 4.9808, 49.8670



1.0462, 0.6231, 4.8784

Previews

White Background



This preview shows how the XYZ color 85.3363, 91.6278, 71.5807 looks on a white background.

Color Contrast Check

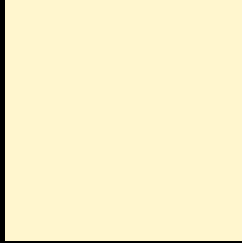
Large Text (above 18pt) WCAG AA × Fail

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 85.3363, 91.6278, 71.5807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

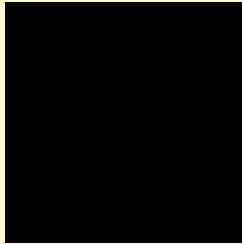
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.3363, 91.6278, 71.5807

Background



This preview shows how black text looks on a background with the XYZ color 85.3363, 91.6278, 71.5807.



This preview shows how white text looks on a background with the XYZ color 85.3363, 91.6278,

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

85.3363, 91.6278, 71.5807

Protanopia

86.5473, 91.6268, 79.4539

Deuteranopia

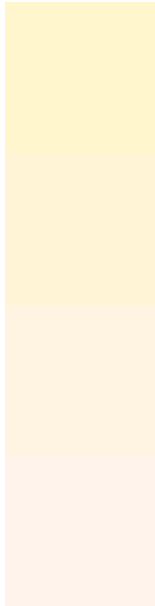
88.5767, 91.4756, 93.1088



Tritanopia

90.5628, 91.7925, 105.0400

Trichromacy



Original Color

85.3363, 91.6278, 71.5807

Protanomaly

86.0300, 91.4199, 76.7299

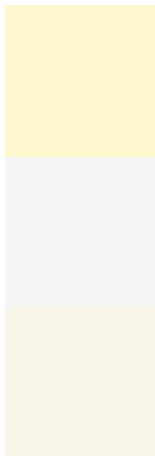
Deuteranomaly

87.3182, 91.4524, 85.0014

Tritanomaly

88.2860, 91.3593, 91.5782

Monochromacy



Original Color

85.3363, 91.6278, 71.5807

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.6467, 90.9744, 87.9087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.3363, 91.6278, 71.5807 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 206) }
```

Border

The CSS property to change the border of an element to XYZ 85.3363, 91.6278, 71.5807 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, 206) }
```


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

```
.border{ border-color:rgb(255, 246, 206) }
```

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, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 85.3363, 91.6278, 71.5807 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, 206) }
```

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

```
.background{ background-color: rgb(255,  
246, 206) }
```

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