

Converting Colors

XYZ(83.3728, 91.6449, 58.7669)

Have a look what the booklet for
XYZ(83.3728, 91.6449, 58.7669)
contains.

XYZ(83.4591, 91.8555, 58.6785)	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(83.4591, 91.8555,
58.6785)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF8B8
RGB	255, 248, 184
RGB Percent	100%, 97%, 72%
CMY	0.0000, 0.0274, 0.2784
CMYK	0.00, 0.03, 0.28, 0.00
HSL	54°, 100%, 86%
HSV	54°, 28%, 100%
XYZ	83.4591, 91.8555, 58.6785
YIQ	242.7970, 24.7160, -18.4200

Conversions

Conversions Part 2

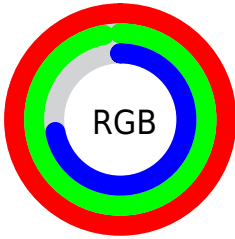
Format	Color
R _Y B	192, 255, 184
Decimal	16775352
CIE Lab	96.76, -7.25, 31.66
CIE LCh	97, 32.479, 102.891
Yxy	91.8555, 0.3567, 0.3926
Android (android.graphics.Color)	4294965432 (0xFFFFF8B8)
YUV	242.7970, -28.9869, 10.7020
Hunter-Lab	95.8413, -12.2835, 30.7888

Details

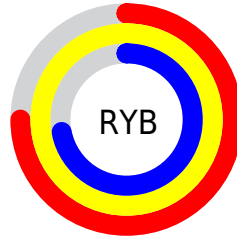
The XYZ color **83.4591, 91.8555, 58.6785** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.4476, 54.6704, 102.1851**, and the grayscale version is **85.2414, 89.6806, 97.6622**.

A 20% lighter version of the original color is **92.7282, 99.0713, 96.6734**, and **46.1676, 51.3167, 28.5909** is the 20% darker color. If you saturate the color by 10%, you get **80.2572, 89.3505, 45.5912**, and if you desaturate by 10%, it is **87.1578, 94.5822, 74.3106**.

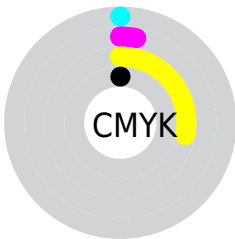
Distribution



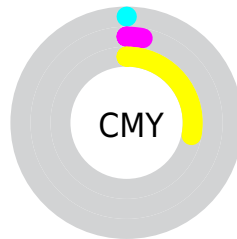
- Red (100%)
- Green (97%)
- Blue (72%)



- Red (75%)
- Yellow (100%)
- Blue (72%)



- Cyan (0%)
- Magenta (3%)
- Yellow (28%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.4591, 91.8555, 58.6785 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 83.4591, 91.8555, 58.6785 by changing the saturation by 10% instead.


 83.4591, 91.8555,
58.6785

 83.4591, 91.8555,
58.6785


495.0761,
534.0484, 437.3781

 62.8872, 69.5206,
41.9361


 137.1435,
149.9131, 104.4348

 46.0082, 51.1358,
28.7260


170.9866,
186.4046, 134.2857

 32.4570, 36.3167,
18.6299


209.9842,
228.3838, 169.3432

 21.8680, 24.6789,
11.2290


254.5016,
276.2350, 210.0258

 13.8760, 15.8380,
6.1050

304.9041,
330.3427, 256.7520

 8.1156, 9.4096,
2.8392

361.5571,

 4.2214, 5.0093,

391.0912, 309.9405

1.0131

424.8260,
458.8650, 370.0097

■ 1.8282, 2.2527,
0.0000

■ 0.5345, 0.7485,
0.0000

■ 83.4591, 91.8555,
58.6785

■ 83.4591, 91.8555,
58.6785

■ 80.2572, 89.3505,
45.5912

■ 87.1578, 94.5822,
74.3106

■ 77.5193, 87.0445,
34.9067

■ 91.3705, 97.5279,
92.6080

■ 75.2193, 84.9300,
26.4775

95.0500, 100.0000,
108.9000

■ 73.3257, 82.9946,
20.1380

■ 71.8028, 81.2237,
15.6994

■ 70.6080, 79.6003,
12.9394

■ 69.6850, 78.1018,
11.5604

■ 69.5039, 77.7879,
11.3513

Harmonies

Analogous

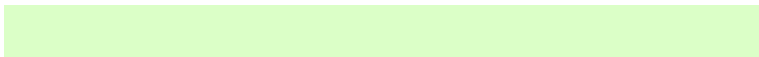
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.5567, 91.8555, 59.3502



83.4591, 91.8555, 58.6785



75.9273, 91.8555, 67.6025

Triad

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



83.4591, 91.8555, 58.6785



75.1005, 91.8555, 138.1564



105.1246, 91.8555, 115.4978

Complementary

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



83.4591, 91.8555, 58.6785



56.4476, 54.6704, 102.1851

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.



99.7680, 91.8555, 141.4172



83.4591, 91.8555, 58.6785



82.2575, 91.8555, 155.9780

Square

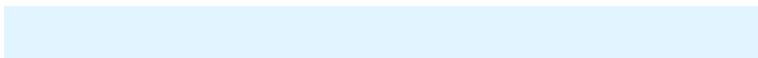
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4591, 91.8555, 58.6785



71.3321, 91.8555, 111.6198



91.2691, 91.8555, 157.2655



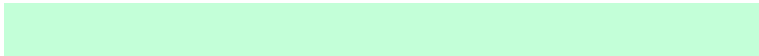
105.5024, 91.8555, 89.2438

Rectangle

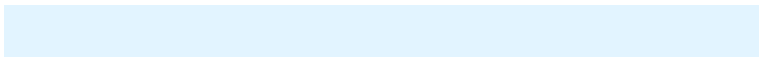
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.4591, 91.8555, 58.6785



72.6348, 91.8555, 78.8686



91.2691, 91.8555, 157.2655



103.8304, 91.8555, 124.6390

Sweetspot

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



83.4614, 91.8596, 58.6804



91.2999, 97.4796, 92.2980



67.7962, 59.3080, 57.2234



19.3993, 20.7668, 19.1303



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

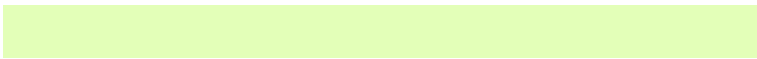
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4614, 91.8596, 58.6804



81.7488, 90.5395, 51.6204



75.9648, 91.2469, 58.9573



19.3993, 20.7668, 19.1303



36.3797, 40.7707, 5.9521



3.5846, 4.0546, 0.5937

Inverse Universe

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



56.4476, 54.6704, 102.1851



50.9599, 48.1570, 101.2171



62.4582, 55.5587, 102.0397



17.1469, 17.6654, 22.7560



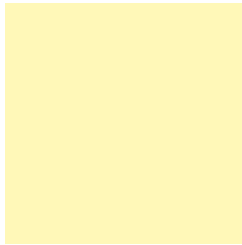
9.6617, 4.2329, 49.7424



0.9865, 0.5036, 4.8585

Previews

White Background



This preview shows how the XYZ color 83.4591, 91.8555, 58.6785 looks on a white background.

Color Contrast Check

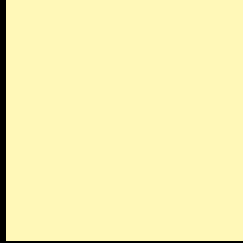
Large Text (above 18pt) WCAG AA × Fail

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 83.4591, 91.8555, 58.6785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

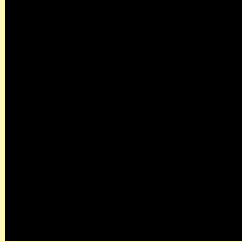
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.4591, 91.8555, 58.6785

Background



This preview shows how black text looks on a background with the XYZ color 83.4591, 91.8555, 58.6785.

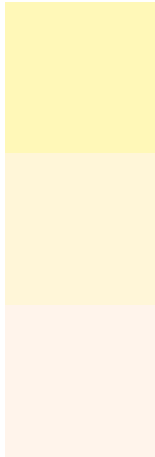


This preview shows how white text looks on a background with the XYZ color 83.4591, 91.8555,

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

83.4591, 91.8555, 58.6785

Protanopia

86.5904, 92.1294, 78.1847

Deuteranopia

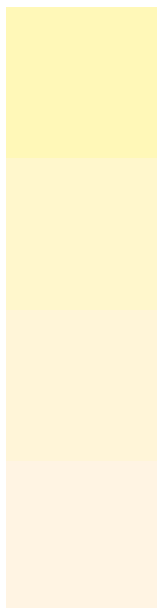
88.5861, 91.9595, 91.6782



Tritanopia

90.4047, 91.7293, 104.2075

Trichromacy



Original Color

83.4591, 91.8555, 58.6785

Protanomaly

85.3998, 92.1412, 70.4107

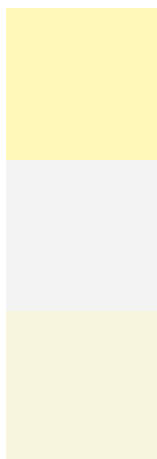
Deuteranomaly

86.2871, 91.5227, 78.0836

Tritanomaly

87.4558, 91.5074, 85.7263

Monochromacy



Original Color

83.4591, 91.8555, 58.6785

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.1950, 90.3529, 82.1095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.4591, 91.8555, 58.6785 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, 248, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 184)  
}
```

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, 248, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 184) }
```

Border

The CSS property to change the border of an element to XYZ 83.4591, 91.8555, 58.6785 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, 248, 184) }
```


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

```
.border{ border-color:rgb(255, 248, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 83.4591, 91.8555, 58.6785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 184) }
```

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

```
.background{ background-color: rgb(255,  
248, 184) }
```

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