

Converting Colors

XYZ(101.3341, 100.0000,
64.7546)

Have a look what the booklet for
XYZ(101.3341, 100.0000, 64.7546)
contains.

XYZ(83.9334, 91.0666, 64.1928)	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(83.9334, 91.0666,
64.1928)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF6C2
RGB	255, 246, 194
RGB Percent	100%, 96%, 76%
CMY	0.0000, 0.0353, 0.2392
CMYK	0.00, 0.04, 0.24, 0.00
HSL	51°, 100%, 88%
HSV	51°, 24%, 100%
XYZ	83.9334, 91.0666, 64.1928
YIQ	242.7630, 22.0560, -14.2640

Conversions

Conversions Part 2

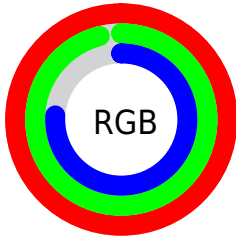
Format	Color
R _Y B	205, 255, 194
Decimal	16774850
CIE Lab	96.44, -4.95, 26.16
CIE LCh	96, 26.619, 100.707
Yxy	91.0666, 0.3509, 0.3807
Android (android.graphics.Color)	4294964930 (0xFFFFF6C2)
YUV	242.7630, -24.0402, 10.7318
Hunter-Lab	95.4288, -10.0027, 26.9171

Details

The XYZ color **83.9334, 91.0666, 64.1928** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.6536, 61.3995, 103.2095**, and the grayscale version is **85.1777, 89.6136, 97.5892**.

A 20% lighter version of the original color is **94.4126, 99.7450, 105.5434**, and **46.4358, 50.7261, 32.1546** is the 20% darker color. If you saturate the color by 10%, you get **80.1804, 87.7571, 50.0044**, and if you desaturate by 10%, it is **88.2054, 94.6269, 80.9809**.

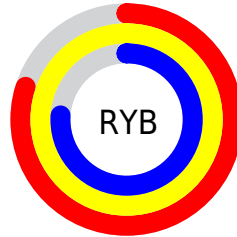
Distribution



Red (100%)

Green (96%)

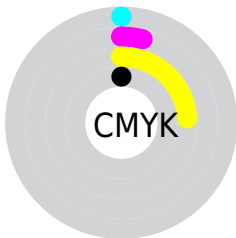
Blue (76%)



Red (80%)

Yellow (100%)

Blue (76%)

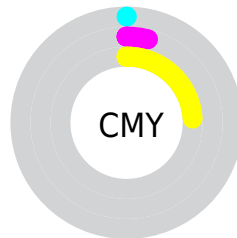


Cyan (0%)

Magenta (4%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.9334, 91.0666, 64.1928 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 83.9334, 91.0666, 64.1928 by changing the saturation by 10% instead.

 83.9334, 91.0666,
64.1928

 83.9334, 91.0666,
64.1928


496.6290,
531.4944, 458.1121

 63.2800, 68.8656,
46.3597


 137.8038,
148.8191, 112.4907

 46.3272, 50.6023,
32.1790


171.7514,
185.1393, 143.7925

 32.7098, 35.8922,
21.2323


210.8611,
226.9348, 180.4210

 22.0624, 24.3509,
13.1010

255.4984,
274.5899, 222.7947

 14.0196, 15.5942,
7.3666

306.0284,
328.4890, 271.3321

 8.2161, 9.2374,
3.6105

362.8166,

 4.2865, 4.8964,

389.0166, 326.4518

1.4142

426.2284,
456.5569, 388.5723

■ 1.8655, 2.1866,
0.1528

■ 0.5566, 0.7127,
0.0000

■ 83.9334, 91.0666,
64.1928

■ 83.9334, 91.0666,
64.1928

■ 80.1804, 87.7571,
50.0044

■ 88.2054, 94.6269,
80.9809

■ 76.9146, 84.6763,
38.2778

■ 93.0133, 98.4358,
100.4856

■ 74.1108, 81.8168,
28.8710

95.0500, 100.0000,
108.9000

■ 71.7387, 79.1664,
21.6253

■ 69.7642, 76.7112,
16.3620

■ 68.1478, 74.4352,
12.8737

■ 66.8413, 72.3188,
10.9069

■ 66.1568, 71.0935,
10.2356

Harmonies

Analogous

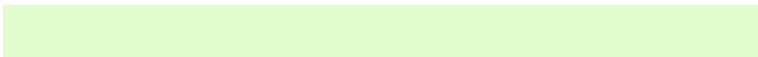
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.3544, 91.0666, 65.3847



83.9334, 91.0666, 64.1928



77.5837, 91.0666, 71.3037

Triad

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



83.9334, 91.0666, 64.1928



76.1884, 91.0666, 128.2519



100.7272, 91.0666, 113.2733

Complementary

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



83.9334, 91.0666, 64.1928



61.6536, 61.3995, 103.2095

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.



96.1948, 91.0666, 133.4544



83.9334, 91.0666, 64.1928



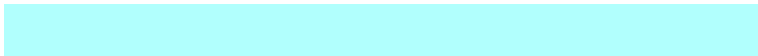
81.9288, 91.0666, 142.9201

Square

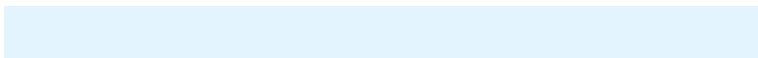
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9334, 91.0666, 64.1928



73.2849, 91.0666, 106.9396



89.2328, 91.0666, 144.9493



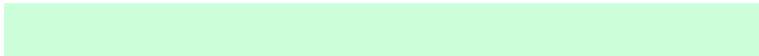
101.3399, 91.0666, 91.7597

Rectangle

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



83.9334, 91.0666, 64.1928



74.7040, 91.0666, 80.4835



89.2328, 91.0666, 144.9493



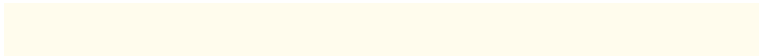
99.5998, 91.0666, 120.5139

Sweetspot

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



83.9356, 91.0706, 64.1947



91.4741, 97.2355, 94.1828



71.3299, 64.1636, 65.2201



19.5160, 20.7627, 19.9012



0.0000, 0.0000, 0.0000



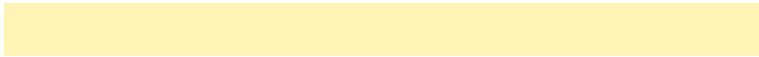
20.3446, 21.4041, 23.3091

Same Dimension

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



83.9356, 91.0706, 64.1947



81.9654, 89.3579, 56.6707



79.3150, 92.8485, 64.7814



19.3196, 20.6073, 19.1037



34.6552, 37.3216, 5.3773



3.4337, 3.7527, 0.5434

Inverse Universe

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



61.6536, 61.3995, 103.2095



55.9572, 54.7285, 102.2221



65.4699, 60.3049, 102.7971



17.2191, 17.8098, 22.7800



9.8515, 4.6125, 49.8057



1.0203, 0.5714, 4.8698

Previews

White Background



This preview shows how the XYZ color 83.9334, 91.0666, 64.1928 looks on a white background.

Color Contrast Check

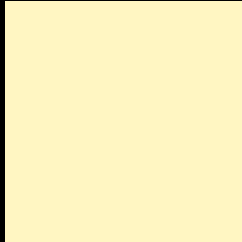
Large Text (above 18pt) WCAG AA × Fail

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 83.9334, 91.0666, 64.1928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

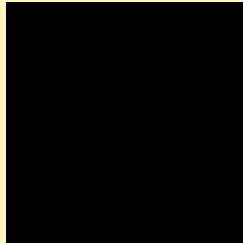
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.9334, 91.0666, 64.1928

Background



This preview shows how black text looks on a background with the XYZ color 83.9334, 91.0666, 64.1928.

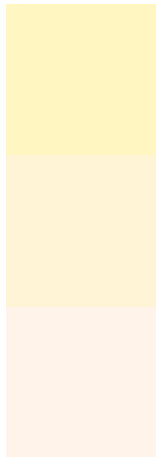


This preview shows how white text looks on a background with the XYZ color 83.9334, 91.0666,

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

83.9334, 91.0666, 64.1928

Protanopia

85.6009, 90.7655, 75.9586

Deuteranopia

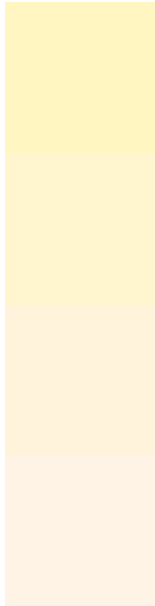
88.1419, 91.3017, 90.8193



Tritanopia

90.1079, 91.1356, 104.1085

Trichromacy



Original Color

83.9334, 91.0666, 64.1928

Protanomaly

85.0330, 91.0210, 71.4796

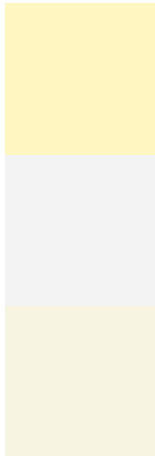
Deuteranomaly

86.3769, 91.0758, 80.0447

Tritanomaly

87.5735, 91.0744, 87.8264

Monochromacy



Original Color

83.9334, 91.0666, 64.1928

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.2991, 89.9118, 84.1458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9334, 91.0666, 64.1928 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, 194)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 194)  
}
```

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, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 194) }
```

Border

The CSS property to change the border of an element to XYZ 83.9334, 91.0666, 64.1928 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, 194) }
```


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

```
.border{ border-color:rgb(255, 246, 194) }
```

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, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 194);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9334, 91.0666, 64.1928 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, 194) }
```

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

```
.background{ background-color: rgb(255,  
246, 194) }
```

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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