

# Converting Colors

XYZ(83.5204, 91.7116, 67.2726)

Have a look what the booklet for  
XYZ(83.5204, 91.7116, 67.2726)  
contains.

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# Color

**XYZ(83.6599, 91.7676,  
67.3364)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBF8C7
RGB	251, 248, 199
RGB Percent	98%, 97%, 78%
CMY	0.0157, 0.0274, 0.2196
CMYK	0.00, 0.01, 0.21, 0.02
HSL	57°, 87%, 88%
HSV	57°, 21%, 98%
XYZ	83.6599, 91.7676, 67.3364
YIQ	243.3110, 17.5170, -14.6030

# Conversions

## Conversions Part 2

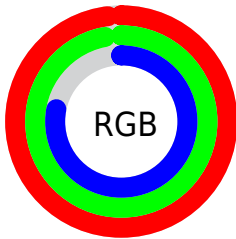
Format	Color
R <sub>Y</sub> B	202, 251, 199
Decimal	16513223
CIE Lab	96.73, -6.71, 23.96
CIE LCh	97, 24.879, 105.640
Yxy	91.7676, 0.3446, 0.3780
Android (android.graphics.Color)	4294703303 (0xFFFBF8C7)
YUV	243.3110, -21.8453, 6.7433
Hunter-Lab	95.7954, -11.7546, 25.3807

# Details

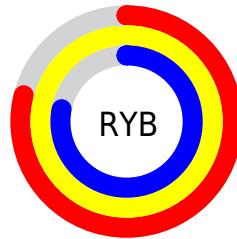
The XYZ color **83.6599, 91.7676, 67.3364** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.0861, 61.3468, 99.8362**, and the grayscale version is **85.6000, 90.0579, 98.0730**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2086, 51.2129, 34.2377** is the 20% darker color. If you saturate the color by 10%, you get **80.5410, 89.8149, 53.0854**, and if you desaturate by 10%, it is **87.2678, 93.9277, 84.1240**.

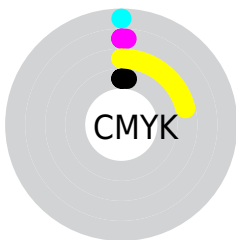
# Distribution



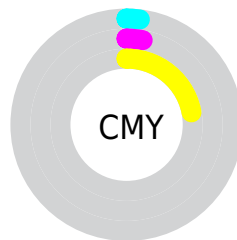
- Red (98%)
- Green (97%)
- Blue (78%)



- Red (79%)
- Yellow (98%)
- Blue (78%)



- Cyan (0%)
- Magenta (1%)
- Yellow (21%)
- Black (2%)



- Cyan (2%)
- Magenta (3%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.6599, 91.7676, 67.3364 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 83.6599, 91.7676, 67.3364 by changing the saturation by 10% instead.



83.6599, 91.7676,  
67.3364

83.6599, 91.7676,  
67.3364

495.7339,  
533.7642, 469.6753

63.0534, 69.4476,  
48.8947

137.4231,  
149.7913, 117.0475

46.1433, 51.0763,  
34.1710

171.3105,  
186.2637, 149.1541

32.5640, 36.2694,  
22.7466

210.3556,  
228.2224, 186.6527

21.9503, 24.6423,  
14.2029

254.9237,  
276.0519, 229.9619

13.9368, 15.8108,  
8.1216

305.3803,  
330.1363, 279.5002

8.1581, 9.3903,  
4.0840

362.0906,

4.2489, 4.9967,

390.8603, 335.6862

1.6715

425.4200,  
458.6081, 398.9384

■ 1.8439, 2.2453,  
0.3411

■ 0.5439, 0.7445,  
0.0000

■ 83.6599, 91.7676,  
67.3364

■ 83.6599, 91.7676,  
67.3364

■ 80.5410, 89.8149,  
53.0854

■ 87.2678, 93.9277,  
84.1240

■ 77.8803, 88.0478,  
41.2411

■ 91.3794, 96.2916,  
103.5579

■ 75.6547, 86.4602,  
31.6711

■ 92.7519, 97.5654,  
108.5512

■ 73.8362, 85.0408,  
24.2278

■ 93.2084, 98.4784,  
108.7034

■ 72.3933, 83.7772,  
18.7460

■ 93.5939, 99.2493,  
108.8319

■ 71.2902, 82.6550,  
15.0366

■ 70.4838, 81.6568,  
12.8730

■ 69.9371, 80.8158,  
11.9129

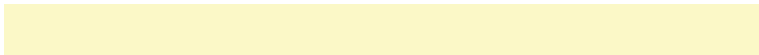
# Harmonies

## Analogous

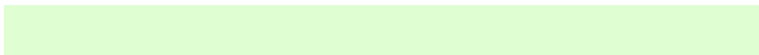
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5876, 91.7676, 67.1660



83.6599, 91.7676, 67.3364



77.9896, 91.7676, 75.4209

# Triad

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



83.6599, 91.7676, 67.3364



78.1862, 91.7676, 129.9408



100.8564, 91.7676, 109.7411

# Complementary

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



83.6599, 91.7676, 67.3364



62.0861, 61.3468, 99.8362

# 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.



97.1565, 91.7676, 129.2198



83.6599, 91.7676, 67.3364



83.9415, 91.7676, 141.8921

# Square

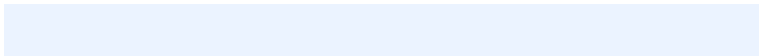
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6599, 91.7676, 67.3364



74.9460, 91.7676, 110.6252



90.8845, 91.7676, 141.6119



100.7711, 91.7676, 89.9275

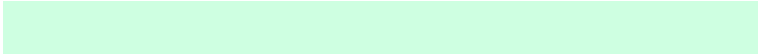


# Rectangle

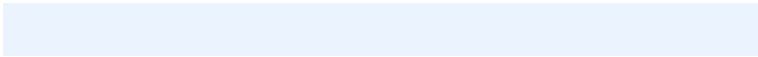
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.6599, 91.7676, 67.3364



75.5774, 91.7676, 84.9134



90.8845, 91.7676, 141.6119



100.0059, 91.7676, 116.5965

# Sweetspot

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



83.6623, 91.7717, 67.3383



92.4032, 98.4926, 96.3454



70.9241, 65.6437, 65.1009



19.7189, 21.0474, 20.3425



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.



83.6623, 91.7717, 67.3383



85.2716, 94.2327, 63.1290



76.9500, 89.6890, 67.2901



18.6368, 20.0094, 18.3423



36.7993, 42.5552, 6.2745



3.4336, 3.9920, 0.5896



# Inverse Universe

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



62.0861, 61.3468, 99.8362



59.0962, 57.3236, 102.5576



67.8185, 63.2691, 99.9051



16.3632, 16.8033, 21.7662



9.2709, 3.8974, 48.2372

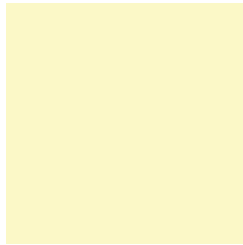


0.8860, 0.4156, 4.4767



# Previews

## White Background



This preview shows how the XYZ color 83.6599, 91.7676, 67.3364 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

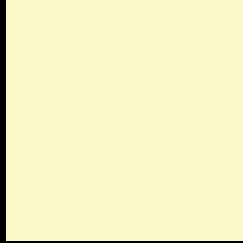
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.6599, 91.7676, 67.3364 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

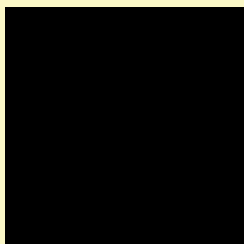
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 83.6599, 91.7676, 67.3364

## Background



This preview shows how black text looks on a background with the XYZ color 83.6599, 91.7676, 67.3364.



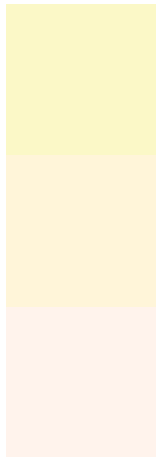
This preview shows how white text looks on a background with the XYZ color 83.6599, 91.7676,

67.3364.

# 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

83.6599, 91.7676, 67.3364

### Protanopia

86.4168, 91.5746, 78.7666

### Deuteranopia

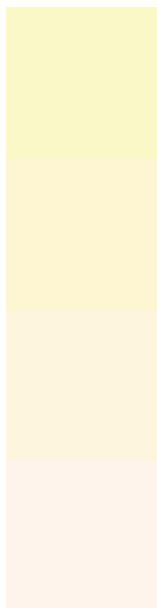
88.4309, 91.4173, 92.3414



## Tritanopia

91.0421, 91.9843, 107.5640

# Trichromacy



## Original Color

83.6599, 91.7676, 67.3364

## Protanomaly

85.4617, 91.6355, 74.1559

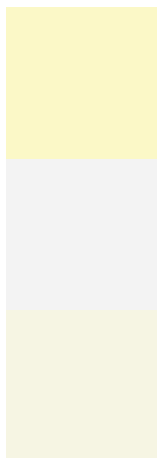
## Deuteranomaly

86.8447, 91.7034, 82.9353

## Tritanomaly

88.2191, 91.7704, 91.6611

# Monochromacy



## Original Color

83.6599, 91.7676, 67.3364

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

84.5236, 90.4437, 85.6756

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.6599, 91.7676, 67.3364 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(251, 248, 199)` looks like.

```
.text, #text, p{  
    color:rgb(251, 248, 199)  
}
```

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(251, 248, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 248, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 83.6599, 91.7676, 67.3364 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(251, 248, 199) }
```



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

```
.border{ border-color:rgb(251, 248, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 248, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 248, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 248, 199);  
box-shadow:4px 4px 4px 4px rgb(251, 248,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.6599, 91.7676, 67.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 248, 199) }
```

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

```
.background{ background-color: rgb(251,  
248, 199) }
```

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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