

Converting Colors

XYZ(67.9055, 50.9855, 83.5914)

Have a look what the booklet for
XYZ(67.9055, 50.9855, 83.5914)
contains.

XYZ(67.8364, 50.9201, 83.3440)	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(67.8364, 50.9201,
83.3440)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9CE9
RGB	255, 156, 233
RGB Percent	100%, 61%, 91%
CMY	0.0000, 0.3882, 0.0863
CMYK	0.00, 0.39, 0.09, 0.00
HSL	313°, 100%, 81%
HSV	313°, 39%, 100%
XYZ	67.8364, 50.9201, 83.3440
YIQ	194.3790, 34.2870, 44.9350

Conversions

Conversions Part 2

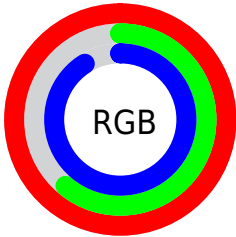
Format	Color
R _Y B	255, 156, 233
Decimal	16751849
CIE Lab	76.63, 47.56, -23.24
CIE LCh	77, 52.938, 333.956
Yxy	50.9201, 0.3357, 0.2520
Android (android.graphics.Color)	4294941929 (0xFFFF9CE9)
YUV	194.3790, 19.0402, 53.1646
Hunter-Lab	71.3583, 44.8130, -19.2978

Details

The XYZ color **67.8364, 50.9201, 83.3440** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **57.5079, 81.8031, 54.8808**, and the grayscale version is **51.3803, 54.0561, 58.8671**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **35.7131, 24.5474, 44.4508** is the 20% darker color. If you saturate the color by 10%, you get **63.2014, 42.9248, 77.8693**, and if you desaturate by 10%, it is **73.3979, 60.7263, 89.2571**.

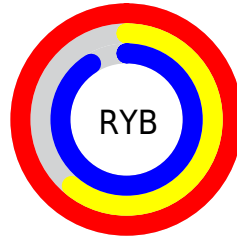
Distribution



Red (100%)

Green (61%)

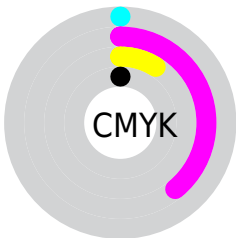
Blue (91%)



Red (100%)

Yellow (61%)

Blue (91%)

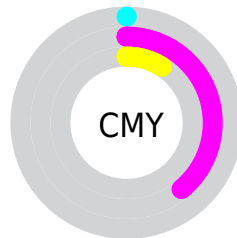


Cyan (0%)

Magenta (39%)

Yellow (9%)

Black (0%)



Cyan (0%)


Magenta (39%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8364, 50.9201, 83.3440 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 67.8364, 50.9201, 83.3440 by changing the saturation by 10% instead.


 67.8364, 50.9201,
83.3440


 67.8364, 50.9201,
83.3440

442.3020,
390.2533, 526.1333

 50.0378, 36.1450,
61.9317


 115.1613, 91.5367,
139.9107

 35.6614, 24.5462,
44.5421


 145.4183,
118.1469, 175.9022

 24.3417, 15.7393,
30.7566


180.5588,
149.4710, 217.5905

 15.7134, 9.3399,
20.1567

220.9483,
185.8934, 265.3942

 9.4111, 4.9635,
12.3238

266.9519,
227.7984, 319.7318

 5.0695, 2.2259,
6.8394

318.9352,

 2.3233, 0.7340,

275.5705, 381.0218

3.2849

377.2634,
329.5940, 449.6828

■ 0.8065, 0.0000,
1.2419

■ 0.0000, 0.0000,
0.0134

■ 67.8364, 50.9201,
83.3440

■ 67.8364, 50.9201,
83.3440

■ 63.2014, 42.9248,
77.8693

■ 73.3979, 60.7263,
89.2571

■ 59.4325, 36.6205,
72.8098

■ 79.9343, 72.4406,
95.6239

■ 56.4674, 31.8832,
68.1441

■ 87.4948, 86.1608,
102.4627

■ 54.2340, 28.5687,
63.8469

95.0500, 100.0000,
108.9000

■ 52.6466, 26.5064,
59.8886

■ 51.5815, 25.4488,
56.2265

■ 51.4714, 25.3526,
55.8079

Harmonies

Analogous

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



59.9668, 50.9201, 114.9003



67.8364, 50.9201, 83.3440



70.2554, 50.9201, 51.7259

Triad

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



67.8364, 50.9201, 83.3440



47.0820, 50.9201, 16.6246



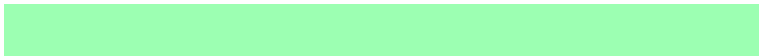
34.1218, 50.9201, 92.2918

Complementary

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



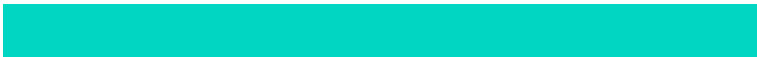
67.8364, 50.9201, 83.3440



57.5079, 81.8031, 54.8808

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.



31.6212, 50.9201, 59.3347



67.8364, 50.9201, 83.3440



38.4219, 50.9201, 21.1333

Square

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



67.8364, 50.9201, 83.3440



57.3519, 50.9201, 19.1960



33.0804, 50.9201, 34.5885



40.4282, 50.9201, 121.1947

Rectangle

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



67.8364, 50.9201, 83.3440



68.2084, 50.9201, 35.9350



33.0804, 50.9201, 34.5885



32.8509, 50.9201, 80.9775

Sweetspot

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



67.8376, 50.9222, 83.3450



84.9776, 81.5763, 100.2366



48.1747, 40.3996, 99.8666



17.9739, 17.0704, 21.2620



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.



67.8376, 50.9222, 83.3450



63.9794, 44.2516, 78.8349



61.7869, 48.5020, 51.4826



18.6097, 18.2272, 21.8279



26.9536, 13.2707, 29.4698



2.6649, 1.3083, 3.0827

Inverse Universe

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



67.8376, 50.9222, 83.3450



63.9794, 44.2516, 78.8349



63.3299, 84.1319, 85.5394



18.6097, 18.2272, 21.8279



26.9536, 13.2707, 29.4698



2.6649, 1.3083, 3.0827

Previews

White Background



This preview shows how the XYZ color 67.8364, 50.9201, 83.3440 looks on a white background.

Color Contrast Check

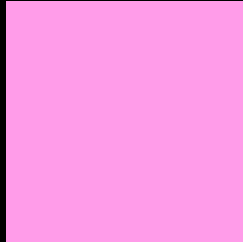
Large Text (above 18pt) WCAG AA × Fail

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 67.8364, 50.9201, 83.3440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

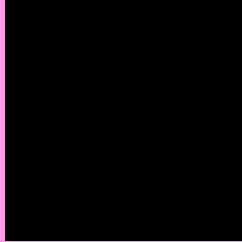
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.8364, 50.9201, 83.3440

Background



This preview shows how black text looks on a background with the XYZ color 67.8364, 50.9201, 83.3440.



This preview shows how white text looks on a background with the XYZ color 67.8364, 50.9201,

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

67.8364, 50.9201, 83.3440

Protanopia

52.3979, 51.3067, 101.7493

Deuteranopia

52.3388, 51.1182, 80.5070



Tritanopia

61.0223, 51.0318, 49.2817

Trichromacy



Original Color

67.8364, 50.9201, 83.3440



Protanomaly

56.4012, 50.1836, 94.7094



Deuteranomaly

56.8596, 50.1314, 81.5424



Tritanomaly

63.1897, 50.8271, 60.5130

Monochromacy



Original Color

67.8364, 50.9201, 83.3440



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

56.0253, 51.7955, 66.7192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8364, 50.9201, 83.3440 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, 156, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 156, 233)  
}
```

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, 156, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 156, 233) }
```

Border

The CSS property to change the border of an element to XYZ 67.8364, 50.9201, 83.3440 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, 156, 233) }
```


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

```
.border{ border-color:rgb(255, 156, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 156, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 156, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 156, 233);  
box-shadow:4px 4px 4px 4px rgb(255, 156,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8364, 50.9201, 83.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 156, 233) }
```

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

```
.background{ background-color: rgb(255,  
156, 233) }
```

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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