

# Converting Colors

XYZ(51.8429, 38.0800, 67.5847)

Have a look what the booklet for  
XYZ(51.8429, 38.0800, 67.5847)  
contains.

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# Color

**XYZ(51.8994, 38.0230,  
67.5546)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E286D5
RGB	226, 134, 213
RGB Percent	89%, 53%, 84%
CMY	0.1137, 0.4745, 0.1647
CMYK	0.00, 0.41, 0.06, 0.11
HSL	308°, 61%, 71%
HSV	308°, 41%, 89%
XYZ	51.8994, 38.0230, 67.5546
YIQ	170.5140, 29.4730, 44.0730

# Conversions

## Conversions Part 2

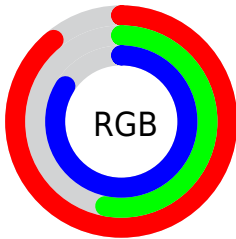
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 134, 213
Decimal	14845653
CIE <sub>Lab</sub>	68.04, 46.44, -25.69
CIE <sub>LCh</sub>	68, 53.075, 331.053
Yxy	38.0230, 0.3296, 0.2415
Android (android.graphics.Color)	4293035733 (0xFFE286D5)
YUV	170.5140, 20.9456, 48.6612
Hunter-Lab	61.6628, 42.3273, -21.7911

# Details

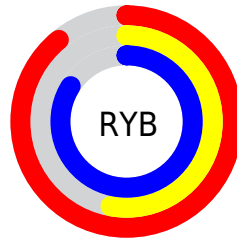
The XYZ color **51.8994, 38.0230, 67.5546** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **42.2960, 61.5690, 37.2609**, and the grayscale version is **38.3544, 40.3518, 43.9431**.

A 20% lighter version of the original color is **77.4876, 64.8752, 103.0459**, and **25.4762, 16.7885, 34.2455** is the 20% darker color. If you saturate the color by 10%, you get **48.7020, 32.2700, 64.5087**, and if you desaturate by 10%, it is **55.7746, 45.1175, 70.8666**.

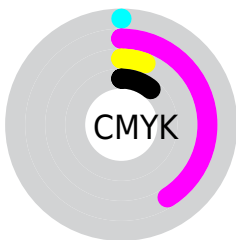
# Distribution



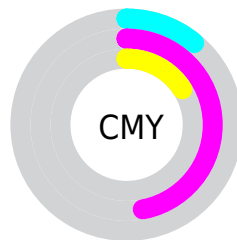
- Red (89%)
- Green (53%)
- Blue (84%)



- Red (89%)
- Yellow (53%)
- Blue (84%)



- Cyan (0%)
- Magenta (41%)
- Yellow (6%)
- Black (11%)



- Cyan (11%)
- Magenta (47%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8994, 38.0230, 67.5546 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 51.8994, 38.0230, 67.5546 by changing the saturation by 10% instead.



51.8994, 38.0230,  
67.5546

51.8994, 38.0230,  
67.5546

384.3785,  
337.7186, 470.4715

37.1488, 26.0005,  
49.0710

92.1580, 72.1434,  
117.3629

25.4970, 16.8240,  
34.3098

118.3967, 95.0101,  
149.5248

16.5784, 10.1091,  
22.8524

149.1955,  
122.2604, 187.0831

10.0278, 5.4714,  
14.2803

184.9198,  
154.2786, 230.4565

5.4798, 2.5264,  
8.1749

225.9348,  
191.4491, 280.0635

2.5691, 0.8898,  
4.1177

272.6061,

0.9302, 0.0000,

234.1564, 336.3226

1.6901

325.2988,  
282.7847, 399.6524

■ 0.0000, 0.0000,  
0.3540

■ 0.0000, 0.0000,  
0.0000

■ 51.8994, 38.0230,  
67.5546

■ 51.8994, 38.0230,  
67.5546

■ 48.7020, 32.2700,  
64.5087

■ 55.7746, 45.1175,  
70.8666

■ 46.1359, 27.7674,  
61.7119

■ 60.3632, 53.6265,  
74.4557

■ 44.1542, 24.4212,  
59.1490

■ 65.7024, 63.6240,  
78.3348

■ 42.7022, 22.1217,  
56.8013

■ 71.8260, 75.1773,  
82.5154

41.7144, 20.7382,  
54.6468

78.7656, 88.3495,  
87.0083

41.1092, 20.0669,  
52.7831

81.7132, 93.5245,  
90.2110

82.1715, 93.7078,  
92.6246

82.6382, 93.8945,  
95.0819

83.1132, 94.0845,  
97.5831

# Harmonies

## Analogous

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



44.9691, 38.0230, 93.8861



51.8994, 38.0230, 67.5546



54.4632, 38.0230, 40.5697

# Triad

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



51.8994, 38.0230, 67.5546



35.8484, 38.0230, 10.5385



24.1674, 38.0230, 69.5826

# Complementary

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



51.8994, 38.0230, 67.5546



42.2960, 61.5690, 37.2609

# 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.



22.4699, 38.0230, 42.2427



51.8994, 38.0230, 67.5546



28.5490, 38.0230, 13.3766

# Square

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



51.8994, 38.0230, 67.5546



44.3864, 38.0230, 12.9866



23.9448, 38.0230, 23.0542



28.9835, 38.0230, 95.3373



# Rectangle

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



51.8994, 38.0230, 67.5546



53.0846, 38.0230, 27.1132



23.9448, 38.0230, 23.0542



23.2493, 38.0230, 59.9894

# Sweetspot

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



51.9006, 38.0247, 67.5554



85.3648, 81.7312, 102.2755



34.1558, 28.6786, 75.6878



18.0655, 17.1071, 21.7443



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.



51.9006, 38.0247, 67.5554



64.5655, 43.3730, 85.3523



46.9337, 36.0379, 41.3998



14.2074, 13.9006, 16.8621



23.4860, 11.4614, 30.2890



1.6511, 0.8037, 2.2216



# Inverse Universe

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



51.9006, 38.0247, 67.5554



64.5655, 43.3730, 85.3523



46.5734, 63.2800, 59.7854



14.2074, 13.9006, 16.8621



23.4860, 11.4614, 30.2890



1.6511, 0.8037, 2.2216



# Previews

## White Background



This preview shows how the XYZ color 51.8994, 38.0230, 67.5546 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

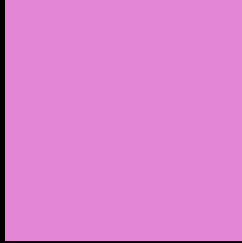
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.8994, 38.0230, 67.5546 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

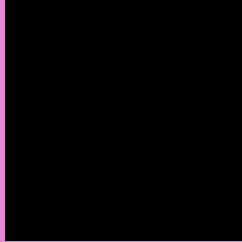
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.8994, 38.0230, 67.5546**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.8994, 38.0230, 67.5546.



This preview shows how white text looks on a background with the XYZ color 51.8994, 38.0230,



# 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

51.8994, 38.0230, 67.5546

### Protanopia

39.7725, 38.4784, 83.9281

### Deuteranopia

39.1803, 38.3255, 65.0070



## Tritanopia

45.5781, 38.0522, 36.8409

# Trichromacy



## Original Color

51.8994, 38.0230, 67.5546



## Protanomaly

42.7119, 37.3272, 77.6268



## Deuteranomaly

42.8687, 37.4239, 65.9369



## Tritanomaly

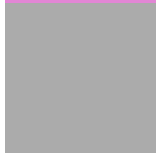
47.7330, 38.0499, 46.4235

# Monochromacy



## Original Color

51.8994, 38.0230, 67.5546



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

42.5756, 39.0753, 51.7527

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8994, 38.0230, 67.5546 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(226, 134, 213)` looks like.

```
.text, #text, p{  
    color:rgb(226, 134, 213)  
}
```

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(226, 134, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 134, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8994, 38.0230, 67.5546 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(226, 134, 213) }
```



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

```
.border{ border-color:rgb(226, 134, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 134, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 134, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 134, 213);  
box-shadow:4px 4px 4px 4px rgb(226, 134,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8994, 38.0230, 67.5546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 134, 213) }
```

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

```
.background{ background-color: rgb(226,  
134, 213) }
```

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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