

Converting Colors

XYZ(38.4175, 36.6320, 60.6719)

Have a look what the booklet for
XYZ(38.4175, 36.6320, 60.6719)
contains.

XYZ(38.6134, 36.8250, 60.9499)	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(38.6134, 36.8250,
60.9499)**

Conversions

Conversions Part 1

Format	Color
Hex	A69ECA
RGB	166, 158, 202
RGB Percent	65%, 62%, 79%
CMY	0.3490, 0.3804, 0.2078
CMYK	0.18, 0.22, 0.00, 0.21
HSL	251°, 29%, 71%
HSV	251°, 22%, 79%
XYZ	38.6134, 36.8250, 60.9499
YIQ	165.4080, -9.3560, 15.3800

Conversions

Conversions Part 2

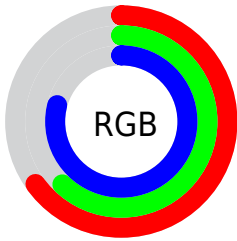
Format	Color
R_{YB}	166, 158, 202
Decimal	10919626
CIE _{Lab}	67.15, 11.93, -21.47
CIE _{LCh}	67, 24.565, 299.049
Yxy	36.8250, 0.2831, 0.2700
Android (android.graphics.Color)	4289109706 (0xFFA69ECA)
YUV	165.4080, 18.0399, 0.5192
Hunter-Lab	60.6836, 7.3845, -17.0717

Details

The XYZ color **38.6134, 36.8250, 60.9499** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.5415, 56.1800, 40.5821**, and the grayscale version is **35.8803, 37.7488, 41.1085**.

A 20% lighter version of the original color is **71.6630, 70.1807, 104.3769**, and **17.5424, 16.2309, 30.2253** is the 20% darker color. If you saturate the color by 10%, you get **32.2022, 28.8192, 59.7431**, and if you desaturate by 10%, it is **46.0386, 46.1960, 62.3679**.

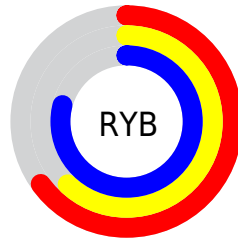
Distribution



Red (65%)

Green (62%)

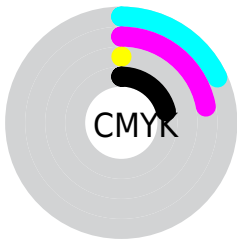
Blue (79%)



Red (65%)

Yellow (62%)

Blue (79%)

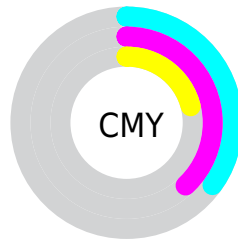


Cyan (18%)

Magenta (22%)

Yellow (0%)

Black (21%)



Cyan (35%)

Magenta (38%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6134, 36.8250, 60.9499 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 38.6134, 36.8250, 60.9499 by changing the saturation by 10% instead.

■ 38.6134, 36.8250,
60.9499

■ 38.6134, 36.8250,
60.9499

331.4796,
332.5522, 445.9918

■ 26.6385, 25.0720,
43.7544

■ 72.3452, 70.3036,
107.7632

■ 17.4371, 16.1307,
30.1417

■ 94.8328, 92.7979,
138.2182

■ 10.6438, 9.6167,
19.6932

121.5553,
119.6415, 173.9300

■ 5.8934, 5.1456,
11.9904

152.8782,
151.2188, 215.3173

■ 2.8204, 2.3329,
6.6147

189.1667,
187.9141, 262.7986

■ 1.0595, 0.7911,
3.1475

230.7862,

■ 0.0000, 0.0000,

230.1119, 316.7924

1.1705

278.1020,
278.1964, 377.7173

■ 0.0000, 0.0000,
0.0000

■ 38.6134, 36.8250,
60.9499

■ 38.6134, 36.8250,
60.9499

■ 32.2022, 28.8192,
59.7431

■ 46.0386, 46.1960,
62.3679

■ 26.7570, 22.1102,
58.7351

■ 54.5159, 56.9874,
64.0041

■ 22.2310, 16.6302,
57.9159

■ 64.0858, 69.2569,
65.8679

■ 18.5723, 12.3036,
57.2737

■ 74.7856, 83.0575,
67.9678

■ 15.7234, 9.0464,
56.7951

■ 85.3601, 95.8583,
69.8812

■ 13.6196, 6.7627,
56.4652

■ 87.6608, 97.0443,
69.9889

■ 12.1857, 5.3389,
56.2660

■ 11.4138, 4.6525,
56.1742

Harmonies

Analogous

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



34.8818, 36.8250, 64.4388



38.6134, 36.8250, 60.9499



41.5435, 36.8250, 51.6589

Triad

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



38.6134, 36.8250, 60.9499



38.8347, 36.8250, 24.8892



28.2867, 36.8250, 39.7551

Complementary

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



38.6134, 36.8250, 60.9499



49.5415, 56.1800, 40.5821

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.



29.1843, 36.8250, 30.4019



38.6134, 36.8250, 60.9499



35.1206, 36.8250, 22.8159

Square

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



38.6134, 36.8250, 60.9499



41.6775, 36.8250, 30.8972



31.6213, 36.8250, 24.6412



29.0786, 36.8250, 50.9607

Rectangle

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



38.6134, 36.8250, 60.9499



42.5535, 36.8250, 44.1407



31.6213, 36.8250, 24.6412



28.3997, 36.8250, 36.3066

Sweetspot

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



38.6146, 36.8265, 60.9507



84.4470, 86.4697, 106.8472



44.2029, 50.4154, 63.2791



17.8887, 18.2708, 22.8337



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.



38.6146, 36.8265, 60.9507



60.2040, 55.8695, 102.2185



43.4639, 39.3264, 61.1777



10.7888, 10.9404, 14.1135



7.3993, 3.0220, 36.1496



0.4409, 0.1864, 1.8677

Inverse Universe

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



46.3228, 40.9069, 56.4949



75.5429, 63.9941, 93.1230



44.4532, 53.5569, 40.3440



11.5966, 11.3674, 13.6765



20.0904, 9.8467, 23.9924



1.0598, 0.5173, 1.3609

Previews

White Background



This preview shows how the XYZ color 38.6134, 36.8250, 60.9499 looks on a white background.

Color Contrast Check

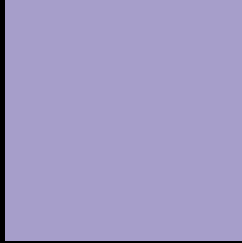
Large Text (above 18pt) WCAG AA × Fail

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 38.6134, 36.8250, 60.9499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

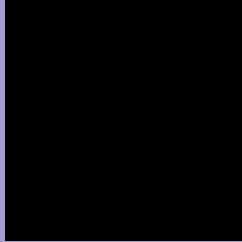
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6134, 36.8250, 60.9499

Background



This preview shows how black text looks on a background with the XYZ color 38.6134, 36.8250, 60.9499.



This preview shows how white text looks on a background with the XYZ color 38.6134, 36.8250,

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

38.6134, 36.8250, 60.9499

Protanopia

37.0766, 37.0207, 62.9492

Deuteranopia

37.7287, 36.8795, 61.0070



Tritanopia

35.6316, 36.9060, 46.3199

Trichromacy



Original Color

38.6134, 36.8250, 60.9499

Protanomaly

37.7445, 37.1185, 62.3020

Deuteranomaly

37.9591, 36.7419, 60.9684

Tritanomaly

36.6061, 36.7791, 51.0687

Monochromacy



Original Color

38.6134, 36.8250, 60.9499

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.4733, 37.0543, 47.3493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6134, 36.8250, 60.9499 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(166, 158, 202)` looks like.

```
.text, #text, p{  
    color:rgb(166, 158, 202)  
}
```

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(166, 158, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 158, 202) }
```

Border

The CSS property to change the border of an element to XYZ 38.6134, 36.8250, 60.9499 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(166, 158, 202) }
```


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

```
.border{ border-color:rgb(166, 158, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 158, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 158, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 158, 202);  
box-shadow:4px 4px 4px 4px rgb(166, 158,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6134, 36.8250, 60.9499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 158, 202) }
```

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

```
.background{ background-color: rgb(166,  
158, 202) }
```

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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