

Converting Colors

XYZ(38.4321, 25.9836, 56.4158)

Have a look what the booklet for
XYZ(38.4321, 25.9836, 56.4158)
contains.

XYZ(38.4321, 25.9836, 56.4158)	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(38.4321, 25.9836,
56.4158)**

Conversions

Conversions Part 1

Format	Color
Hex	C668C6
RGB	198, 104, 198
RGB Percent	78%, 41%, 78%
CMY	0.2235, 0.5921, 0.2235
CMYK	0.00, 0.47, 0.00, 0.22
HSL	300°, 45%, 59%
HSV	300°, 47%, 78%
XYZ	38.4321, 25.9836, 56.4158
YIQ	142.8220, 25.8500, 49.1620

Conversions

Conversions Part 2

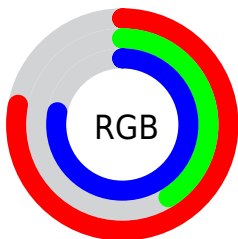
Format	Color
R _Y B	198, 104, 198
Decimal	13002950
CIE _{Lab}	58.02, 50.68, -33.01
CIE _{LCh}	58, 60.480, 326.917
Yxy	25.9836, 0.3181, 0.2150
Android (android.graphics.Color)	4291193030 (0xFFC668C6)
YUV	142.8220, 27.2028, 48.3911
Hunter-Lab	50.9741, 45.3760, -29.9376

Details

The XYZ color **38.4321, 25.9836, 56.4158** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **28.4029, 44.3318, 20.1581**, and the grayscale version is **25.9262, 27.2763, 29.7039**.

A 20% lighter version of the original color is **71.5169, 52.9337, 101.0556**, and **17.3732, 10.1321, 27.4256** is the 20% darker color. If you saturate the color by 10%, you get **36.6684, 22.4556, 55.8280**, and if you desaturate by 10%, it is **40.6654, 30.4496, 57.1606**.

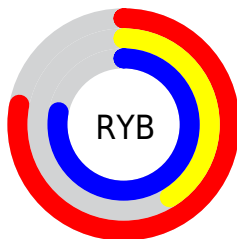
Distribution



Red (78%)

Green (41%)

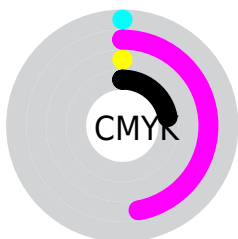
Blue (78%)



Red (78%)

Yellow (41%)

Blue (78%)

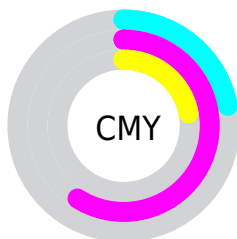


Cyan (0%)

Magenta (47%)

Yellow (0%)

Black (22%)



Cyan (22%)

Magenta (59%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4321, 25.9836, 56.4158 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 38.4321, 25.9836, 56.4158 by changing the saturation by 10% instead.

38.4321, 25.9836,
56.4158

38.4321, 25.9836,
56.4158

330.7188,
282.7016, 428.6889

26.4970, 16.8114,
40.1302

72.0696, 53.2485,
101.1041

17.3304, 10.1001,
27.3255

94.5027, 72.1099,
130.3439

10.5671, 5.4654,
17.5832

121.1657, 94.9699,
164.7387

5.8417, 2.5228,
10.4848

152.4242,
122.2128, 204.7073

2.7888, 0.8880,
5.6118

188.6434,
154.2230, 250.6680

1.0431, 0.0000,
2.5456

230.1886,

0.0000, 0.0000,

191.3850, 303.0395

0.8642

277.4253,
234.0830, 362.2403

■ 0.0000, 0.0000,
0.0000

■ 38.4321, 25.9836,
56.4158

■ 38.4321, 25.9836,
56.4158

■ 36.6684, 22.4556,
55.8280

■ 40.6654, 30.4496,
57.1606

■ 35.3384, 19.7957,
55.3846

■ 43.3958, 35.9103,
58.0708

■ 34.4055, 17.9299,
55.0735

■ 46.6515, 42.4217,
59.1562

■ 33.8256, 16.7701,
54.8801

■ 50.4582, 50.0349,
60.4252

■ 33.5364, 16.1918,
54.7835

■ 54.8395, 58.7976,
61.8858

■ 33.4821, 16.0832,
54.7654

■ 59.8181, 68.7547,
63.5454

■ 65.4151, 79.9487,
65.4112

■ 69.2424, 87.6033,
66.6871

■ 69.2424, 87.6033,
66.6872

Harmonies

Analogous

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



31.6158, 25.9836, 81.4452



38.4321, 25.9836, 56.4158



41.5426, 25.9836, 30.5104

Triad

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



38.4321, 25.9836, 56.4158



25.4596, 25.9836, 4.1359



14.1712, 25.9836, 50.6860

Complementary

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



38.4321, 25.9836, 56.4158



28.4029, 44.3318, 20.1581

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.



13.1597, 25.9836, 26.1833



38.4321, 25.9836, 56.4158



18.8687, 25.9836, 5.4475

Square

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



38.4321, 25.9836, 56.4158



33.1833, 25.9836, 6.2010



14.6992, 25.9836, 11.5262



17.7964, 25.9836, 77.1459

Rectangle

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



38.4321, 25.9836, 56.4158



40.7173, 25.9836, 18.1273



14.6992, 25.9836, 11.5262



13.5495, 25.9836, 41.6841

Sweetspot

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



38.4330, 25.9848, 56.4163



84.6998, 79.2997, 105.4496



20.8534, 16.9222, 55.5942



17.8265, 16.3679, 22.4696



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.



38.4330, 25.9848, 56.4163



64.8280, 39.5564, 98.8248



33.8260, 24.1420, 32.1565



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6147



1.0310, 0.4952, 1.6864

Inverse Universe

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



38.4330, 25.9848, 56.4163



64.8280, 39.5564, 98.8248



31.4900, 45.5667, 36.4150



11.0832, 10.8166, 13.4211



21.7739, 10.4591, 35.6147



1.0310, 0.4952, 1.6864

Previews

White Background



This preview shows how the XYZ color 38.4321, 25.9836, 56.4158 looks on a white background.

Color Contrast Check

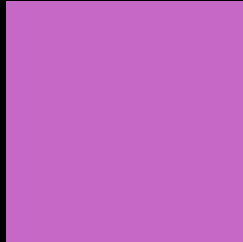
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.4321, 25.9836, 56.4158 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 × Fail

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

XYZ 38.4321, 25.9836, 56.4158

Background



This preview shows how black text looks on a background with the XYZ color 38.4321, 25.9836, 56.4158.



This preview shows how white text looks on a background with the XYZ color 38.4321, 25.9836,

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

38.4321, 25.9836, 56.4158

Protanopia

28.4988, 26.3856, 75.5424

Deuteranopia

26.9151, 26.2678, 53.5208



Tritanopia

31.6652, 25.8367, 24.0869

Trichromacy



Original Color

38.4321, 25.9836, 56.4158

Protanomaly

30.3757, 25.1141, 68.2123

Deuteranomaly

29.9610, 25.3961, 54.3618

Tritanomaly

33.5883, 25.5742, 33.7379

Monochromacy



Original Color

38.4321, 25.9836, 56.4158

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

29.5654, 26.1314, 38.1359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4321, 25.9836, 56.4158 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(198, 104, 198)` looks like.

```
.text, #text, p{  
    color:rgb(198, 104, 198)  
}
```

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(198, 104, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 104, 198) }
```

Border

The CSS property to change the border of an element to XYZ 38.4321, 25.9836, 56.4158 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(198, 104, 198) }
```


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

```
.border{ border-color:rgb(198, 104, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 104, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 104, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 104, 198);  
box-shadow:4px 4px 4px 4px rgb(198, 104,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4321, 25.9836, 56.4158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 104, 198) }
```

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

```
.background{ background-color: rgb(198,  
104, 198) }
```

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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