

Converting Colors

XYZ(45.0830, 38.0642, 63.4456)

Have a look what the booklet for
XYZ(45.0830, 38.0642, 63.4456)
contains.

XYZ(45.0729, 38.1392, 63.3785)	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(45.0729, 38.1392,
63.3785)**

Conversions

Conversions Part 1

Format	Color
Hex	C596CE
RGB	197, 150, 206
RGB Percent	77%, 59%, 81%
CMY	0.2274, 0.4117, 0.1922
CMYK	0.04, 0.27, 0.00, 0.19
HSL	290°, 36%, 70%
HSV	290°, 27%, 81%
XYZ	45.0729, 38.1392, 63.3785
YIQ	170.4370, 10.0360, 27.3800

Conversions

Conversions Part 2

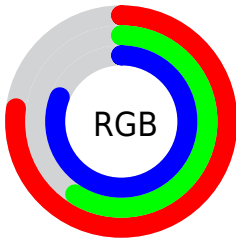
Format	Color
R_{YB}	197, 150, 206
Decimal	12949198
CIE _{Lab}	68.12, 27.31, -21.95
CIE _{LCh}	68, 35.037, 321.208
Yxy	38.1392, 0.3075, 0.2602
Android (android.graphics.Color)	4291139278 (0xFFC596CE)
YUV	170.4370, 17.5326, 23.2958
Hunter-Lab	61.7569, 22.2024, -17.6169

Details

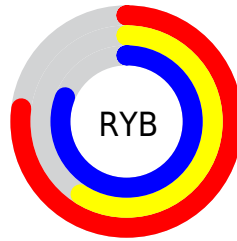
The XYZ color **45.0729, 38.1392, 63.3785** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.8756, 53.7164, 37.0171**, and the grayscale version is **38.3392, 40.3358, 43.9257**.

A 20% lighter version of the original color is **80.7544, 71.9535, 104.2399**, and **21.4570, 17.0303, 31.8620** is the 20% darker color. If you saturate the color by 10%, you get **41.2132, 31.6920, 62.3381**, and if you desaturate by 10%, it is **49.5319, 45.7552, 64.6141**.

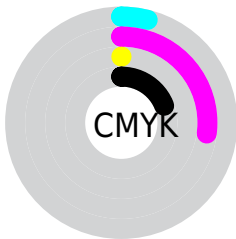
Distribution



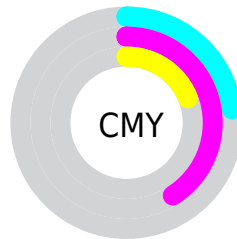
- Red (77%)
- Green (59%)
- Blue (81%)



- Red (77%)
- Yellow (59%)
- Blue (81%)



- Cyan (4%)
- Magenta (27%)
- Yellow (0%)
- Black (19%)





- Cyan (23%)
- Magenta (41%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0729, 38.1392, 63.3785 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 45.0729, 38.1392, 63.3785 by changing the saturation by 10% instead.


 45.0729, 38.1392,
63.3785


 45.0729, 38.1392,
63.3785


357.8475,
338.2167, 455.0875

 31.7164, 26.0907,
45.7045


 82.0662, 72.3214,
111.3062

 21.2994, 16.8915,
31.6657


 106.4337, 95.2240,
142.3971

 13.4568, 10.1572,
20.8436

135.2022,
122.5134, 178.7972

 7.8230, 5.5033,
12.8196

168.7370,
154.5741, 220.9253

 4.0327, 2.5455,
7.1752

207.4036,
191.7903, 269.1999

 1.7207, 0.8993,
3.4918

251.5673,

 0.4692, 0.0000,

234.5466, 324.0394

1.3509

301.5935,
283.2272, 385.8624

■ 0.0000, 0.0000,
0.1030

■ 0.0000, 0.0000,
0.0000

■ 45.0729, 38.1392,
63.3785

■ 45.0729, 38.1392,
63.3785

■ 41.2132, 31.6920,
62.3381

■ 49.5319, 45.7552,
64.6141

■ 37.9188, 26.3480,
61.4802

■ 54.6147, 54.5912,
66.0517

■ 35.1578, 22.0429,
60.7947

■ 60.3489, 64.7013,
67.7010

■ 32.8935, 18.7034,
60.2695

■ 66.7592, 76.1350,
69.5700

■ 31.0844, 16.2468,
59.8907

■ 73.8692, 88.9390,
71.6667

■ 29.6820, 14.5764,
59.6422

■ 75.4759, 90.7074,
71.9233

■ 28.6208, 13.5611,
59.5021

■ 76.4692, 91.2194,
71.9698

■ 28.3510, 13.3285,
59.4715

■ 77.4822, 91.7416,
72.0172

■ 78.5153, 92.2742,
72.0656

Harmonies

Analogous

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



40.1860, 38.1392, 76.3764



45.0729, 38.1392, 63.3785



47.6581, 38.1392, 46.2988

Triad

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



45.0729, 38.1392, 63.3785



37.8801, 38.1392, 18.3210



27.3097, 38.1392, 53.3933

Complementary

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



45.0729, 38.1392, 63.3785



41.8756, 53.7164, 37.0171

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.



26.8255, 38.1392, 37.0951



45.0729, 38.1392, 63.3785



32.5801, 38.1392, 19.3148

Square

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



45.0729, 38.1392, 63.3785



43.2400, 38.1392, 22.2097



28.6611, 38.1392, 25.3824



30.0573, 38.1392, 69.6775

Rectangle

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



45.0729, 38.1392, 63.3785



47.5658, 38.1392, 35.9478



28.6611, 38.1392, 25.3824



26.8885, 38.1392, 47.6558

Sweetspot

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



45.0741, 38.1408, 63.3793



87.6880, 87.0514, 106.7887



36.1753, 35.8530, 63.4068



18.4891, 18.1439, 22.7776



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.



45.0741, 38.1408, 63.3793



69.0231, 55.0739, 101.6002



45.3664, 38.5382, 52.2497



11.5036, 11.3089, 14.1469



17.5263, 8.2427, 36.6235



0.9528, 0.4503, 1.8916

Inverse Universe

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



42.6191, 37.4393, 37.7826



64.4655, 53.8056, 52.5408



41.7804, 53.4796, 45.4943



11.2846, 11.2426, 12.0335



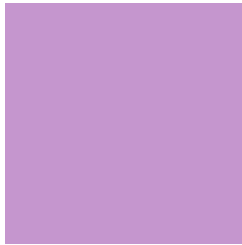
15.8672, 8.1575, 1.7533



0.8423, 0.4303, 0.2152

Previews

White Background



This preview shows how the XYZ color 45.0729, 38.1392, 63.3785 looks on a white background.

Color Contrast Check

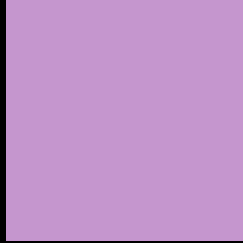
Large Text (above 18pt) WCAG AA × Fail

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 45.0729, 38.1392, 63.3785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

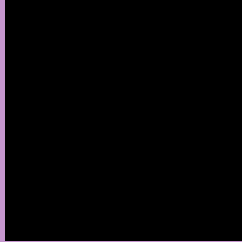
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.0729, 38.1392, 63.3785

Background



This preview shows how black text looks on a background with the XYZ color 45.0729, 38.1392, 63.3785.



This preview shows how white text looks on a background with the XYZ color 45.0729, 38.1392,

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

45.0729, 38.1392, 63.3785

Protanopia

38.8070, 38.2811, 70.3094

Deuteranopia

39.3061, 38.4465, 62.4760



Tritanopia

40.9566, 38.1850, 42.7479

Trichromacy



Original Color

45.0729, 38.1392, 63.3785

Protanomaly

40.6440, 37.9848, 67.4770

Deuteranomaly

41.1508, 38.0916, 62.9411

Tritanomaly

42.2472, 37.9579, 49.3559

Monochromacy



Original Color

45.0729, 38.1392, 63.3785

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

40.4668, 39.3166, 50.2558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0729, 38.1392, 63.3785 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(197, 150, 206)` looks like.

```
.text, #text, p{  
    color:rgb(197, 150, 206)  
}
```

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(197, 150, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 150, 206) }
```

Border

The CSS property to change the border of an element to XYZ 45.0729, 38.1392, 63.3785 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(197, 150, 206) }
```


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

```
.border{ border-color:rgb(197, 150, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 150, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 150, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 150, 206);  
box-shadow:4px 4px 4px 4px rgb(197, 150,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0729, 38.1392, 63.3785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 150, 206) }
```

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

```
.background{ background-color: rgb(197,  
150, 206) }
```

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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