

Converting Colors

XYZ(46.2595, 39.1936, 63.7518)

Have a look what the booklet for
XYZ(46.2595, 39.1936, 63.7518)
contains.

XYZ(46.1882, 39.1921, 63.5230)	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(46.1882, 39.1921,
63.5230)**

Conversions

Conversions Part 1

Format	Color
Hex	C898CE
RGB	200, 152, 206
RGB Percent	78%, 60%, 81%
CMY	0.2157, 0.4039, 0.1922
CMYK	0.03, 0.26, 0.00, 0.19
HSL	293°, 36%, 70%
HSV	293°, 26%, 81%
XYZ	46.1882, 39.1921, 63.5230
YIQ	172.5080, 11.2740, 26.9700

Conversions

Conversions Part 2

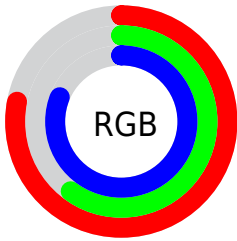
Format	Color
R_{YB}	200, 152, 206
Decimal	13146318
CIE _{Lab}	68.89, 27.19, -20.75
CIE _{LCh}	69, 34.208, 322.647
Yxy	39.1921, 0.3102, 0.2632
Android (android.graphics.Color)	4291336398 (0xFFC898CE)
YUV	172.5080, 16.5116, 24.1105
Hunter-Lab	62.6036, 22.1389, -16.3382

Details

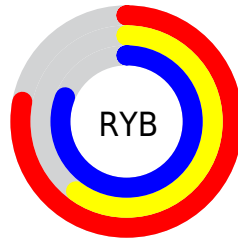
The XYZ color **46.1882, 39.1921, 63.5230** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.8408, 53.6798, 37.8638**, and the grayscale version is **39.3860, 41.4372, 45.1251**.

A 20% lighter version of the original color is **81.6028, 73.1056, 104.4176**, and **21.9017, 17.4011, 31.9102** is the 20% darker color. If you saturate the color by 10%, you get **42.5244, 32.7645, 62.4760**, and if you desaturate by 10%, it is **50.4443, 46.7891, 64.7656**.

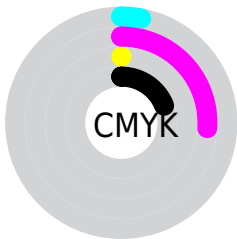
Distribution



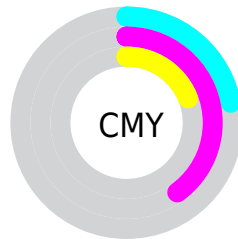
- Red (78%)
- Green (60%)
- Blue (81%)



- Red (78%)
- Yellow (60%)
- Blue (81%)



- Cyan (3%)
- Magenta (26%)
- Yellow (0%)
- Black (19%)





- Cyan (22%)
- Magenta (40%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1882, 39.1921, 63.5230 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 46.1882, 39.1921, 63.5230 by changing the saturation by 10% instead.


 46.1882, 39.1921,
63.5230


 46.1882, 39.1921,
63.5230


362.2680,
342.7065, 455.6252

 32.5996, 26.9092,
45.8207


 83.7267, 73.9317,
111.5165

 21.9777, 17.5050,
31.7567


 108.4074, 97.1572,
142.6449

 13.9570, 10.5952,
20.9125


137.5161,
124.7990, 179.0857

 8.1723, 5.7954,
12.8694

171.4182,
157.2415, 221.2575

 4.2581, 2.7210,
7.2090

210.4791,
194.8691, 269.5788

 1.8492, 0.9879,
3.5127

255.0641,

 0.5470, 0.0000,

238.0662, 324.4681

1.3620

305.5387,
287.2172, 386.3441

■ 0.0000, 0.0000,
0.1118

■ 0.0000, 0.0000,
0.0000

■ 46.1882, 39.1921,
63.5230

■ 46.1882, 39.1921,
63.5230

■ 42.5244, 32.7645,
62.4760

■ 50.4443, 46.7891,
64.7656

■ 39.4190, 27.4411,
61.6122

■ 55.3169, 55.6062,
66.2107

■ 36.8407, 23.1583,
60.9214

■ 60.8332, 65.6972,
67.8677

■ 34.7532, 19.8436,
60.3916

■ 67.0179, 77.1111,
69.7448

■ 33.1156, 17.4154,
60.0093

■ 73.8926, 89.8911,
71.8493

■ 31.8803, 15.7787,
59.7584

■ 74.5550, 90.2326,
71.8803

■ 30.9874, 14.8134,
59.6192

■ 75.2267, 90.5789,
71.9117

■ 30.6956, 14.5372,
59.5813

■ 75.9078, 90.9300,
71.9436

■ 76.5984, 91.2860,
71.9759

Harmonies

Analogous

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



41.4203, 39.1921, 76.6716



46.1882, 39.1921, 63.5230



48.6029, 39.1921, 46.6185

Triad

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



46.1882, 39.1921, 63.5230



38.6040, 39.1921, 19.3459



28.4170, 39.1921, 55.2626

Complementary

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



46.1882, 39.1921, 63.5230



41.8408, 53.6798, 37.8638

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.



27.8204, 39.1921, 38.9577



46.1882, 39.1921, 63.5230



33.3712, 39.1921, 20.5878

Square

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



46.1882, 39.1921, 63.5230



43.9560, 39.1921, 23.0343



29.5480, 39.1921, 26.9725



31.2649, 39.1921, 71.1504

Rectangle

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



46.1882, 39.1921, 63.5230



48.4030, 39.1921, 36.4520



29.5480, 39.1921, 26.9725



27.9586, 39.1921, 49.5655

Sweetspot

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



46.1894, 39.1938, 63.5238



88.0549, 87.2405, 106.8058



36.3693, 35.6898, 63.3651



18.5822, 18.1919, 22.7819



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.



46.1894, 39.1938, 63.5238



71.6475, 57.8830, 102.0041



45.4718, 39.0955, 51.2161



11.5600, 11.3380, 14.1495



18.9524, 8.9779, 36.6903



1.0136, 0.4816, 1.8945

Inverse Universe

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



42.8548, 38.0487, 37.4352



65.4844, 55.7826, 53.0673



42.5354, 53.8246, 47.5321



11.2622, 11.2336, 11.9152



15.7861, 8.1250, 1.3266



0.8319, 0.4262, 0.1605

Previews

White Background



This preview shows how the XYZ color 46.1882, 39.1921, 63.5230 looks on a white background.

Color Contrast Check

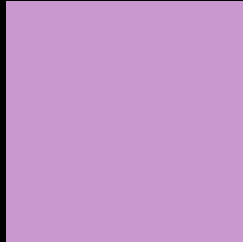
Large Text (above 18pt) WCAG AA × Fail

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 46.1882, 39.1921, 63.5230 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 46.1882, 39.1921, 63.5230

Background



This preview shows how black text looks on a background with the XYZ color 46.1882, 39.1921, 63.5230.



This preview shows how white text looks on a background with the XYZ color 46.1882, 39.1921,

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

46.1882, 39.1921, 63.5230

Protanopia

39.9237, 39.6632, 70.5173

Deuteranopia

40.2906, 39.4854, 62.6246



Tritanopia

42.2545, 39.3387, 43.8941

Trichromacy



Original Color

46.1882, 39.1921, 63.5230

Protanomaly

41.8173, 39.3648, 67.6815

Deuteranomaly

42.1807, 39.1331, 63.0879

Tritanomaly

43.5662, 39.1079, 50.5998

Monochromacy



Original Color

46.1882, 39.1921, 63.5230

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.7405, 40.4803, 51.5125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1882, 39.1921, 63.5230 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(200, 152, 206)` looks like.

```
.text, #text, p{  
    color:rgb(200, 152, 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(200, 152, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 152, 206) }
```

Border

The CSS property to change the border of an element to XYZ 46.1882, 39.1921, 63.5230 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(200, 152, 206) }
```


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

```
.border{ border-color:rgb(200, 152, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 152, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 152, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 152, 206);  
box-shadow:4px 4px 4px 4px rgb(200, 152,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1882, 39.1921, 63.5230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 152, 206) }
```

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

```
.background{ background-color: rgb(200,  
152, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor