

# Converting Colors

XYZ(39.1914, 23.9621, 55.4396)

Have a look what the booklet for  
XYZ(39.1914, 23.9621, 55.4396)  
contains.

<b>XYZ(39.1380, 23.9522, 55.3838)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(39.1380, 23.9522,  
55.3838)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CF56C5
RGB	207, 86, 197
RGB Percent	81%, 34%, 77%
CMY	0.1882, 0.6627, 0.2274
CMYK	0.00, 0.58, 0.05, 0.19
HSL	305°, 56%, 57%
HSV	305°, 58%, 81%
XYZ	39.1380, 23.9522, 55.3838
YIQ	134.8330, 36.4850, 60.1730

# Conversions

## Conversions Part 2

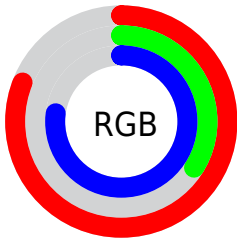
Format	Color
R <sub>Y</sub> B	207, 86, 197
Decimal	13588165
CIE Lab	56.04, 61.47, -35.44
CIE LCh	56, 70.954, 330.031
Yxy	23.9522, 0.3304, 0.2022
Android (android.graphics.Color)	4291778245 (0xFFCF56C5)
YUV	134.8330, 30.6483, 63.2905
Hunter-Lab	48.9410, 57.0993, -32.8365

# Details

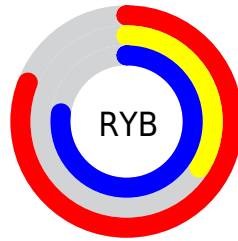
The XYZ color **39.1380, 23.9522, 55.3838** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **28.2630, 47.4496, 18.7369**, and the grayscale version is **22.8489, 24.0388, 26.1783**.

A 20% lighter version of the original color is **68.8024, 47.7618, 99.3586**, and **17.8420, 9.0800, 26.7988** is the 20% darker color. If you saturate the color by 10%, you get **37.5235, 21.0346, 53.8840**, and if you desaturate by 10%, it is **41.2349, 27.8299, 57.0558**.

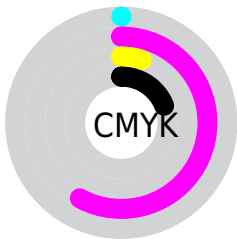
# Distribution



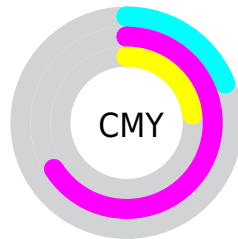
- Red (81%)
- Green (34%)
- Blue (77%)



- Red (81%)
- Yellow (34%)
- Blue (77%)



- Cyan (0%)
- Magenta (58%)
- Yellow (5%)
- Black (19%)



- Cyan (19%)
- Magenta (66%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1380, 23.9522, 55.3838 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 39.1380, 23.9522, 55.3838 by changing the saturation by 10% instead.



39.1380, 23.9522,  
55.3838

39.1380, 23.9522,  
55.3838

333.6739,  
272.5787, 424.6880

27.0483, 15.2982,  
39.3084

73.1418, 49.9522,  
99.5798

17.7463, 9.0289,  
26.6901

95.7866, 68.0669,  
128.5376

10.8666, 4.7600,  
17.1102

122.6806, 90.1040,  
162.6265

6.0438, 2.1072,  
10.1503

154.1889,  
116.4479, 202.2652

2.9127, 0.6687,  
5.3918

190.6771,  
147.4829, 247.8721

1.1077, 0.0000,  
2.4162

232.5104,

0.0316, 0.0000,

183.5934, 299.8659

0.7953

280.0542,  
225.1639, 358.6650

■ 0.0000, 0.0000,  
0.0000

■ 39.1380, 23.9522,  
55.3838

■ 39.1380, 23.9522,  
55.3838

■ 37.5235, 21.0346,  
53.8840

■ 41.2349, 27.8299,  
57.0558

■ 36.3462, 18.9885,  
52.5407

■ 43.8492, 32.7393,  
58.9110

■ 35.5570, 17.7149,  
51.3376

■ 47.0155, 38.7493,  
60.9613

■ 35.0787, 17.0597,  
50.2491

■ 50.7648, 45.9216,  
63.2171

■ 35.0149, 16.9786,  
50.0850

■ 55.1258, 54.3136,  
65.6878

■ 60.1251, 63.9788,  
68.3825

■ 65.7880, 74.9674,  
71.3095

■ 72.1383, 87.3271,  
74.4769

■ 73.4266, 89.5592,  
75.9683

# Harmonies

## Analogous

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



31.5033, 23.9522, 87.0667



39.1380, 23.9522, 55.3838



42.2095, 23.9522, 26.0561

# Triad

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



39.1380, 23.9522, 55.3838



22.7575, 23.9522, 2.0555



11.7514, 23.9522, 55.4520

# Complementary

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



39.1380, 23.9522, 55.3838



28.2630, 47.4496, 18.7369

# 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.



10.4542, 23.9522, 26.1037



39.1380, 23.9522, 55.3838



15.8147, 23.9522, 3.3674

# Square

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



39.1380, 23.9522, 55.3838



31.4854, 23.9522, 3.3613



11.7460, 23.9522, 9.5184



15.8260, 23.9522, 87.1199



# Rectangle

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



39.1380, 23.9522, 55.3838



40.8008, 23.9522, 13.5711



11.7460, 23.9522, 9.5184



11.0262, 23.9522, 44.5795

# Sweetspot

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



39.1388, 23.9533, 55.3843



81.5101, 73.8881, 101.4031



19.2144, 13.5450, 60.6341



17.0449, 15.0450, 21.4685



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.



39.1388, 23.9533, 55.3843



59.6238, 32.8040, 85.8194



33.6799, 21.7697, 26.6379



12.2669, 11.9915, 14.6813



22.0776, 10.7039, 31.6446



1.2472, 0.6036, 1.8365



# Inverse Universe

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



39.1388, 23.9533, 55.3843



59.6238, 32.8040, 85.8194



32.0317, 48.9571, 38.5827



12.2669, 11.9915, 14.6813



22.0776, 10.7039, 31.6446

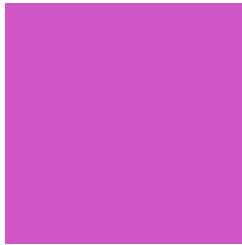


1.2472, 0.6036, 1.8365



# Previews

## White Background



This preview shows how the XYZ color 39.1380, 23.9522, 55.3838 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

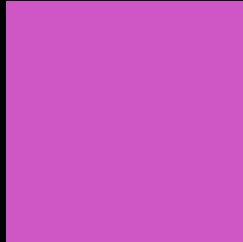
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.1380, 23.9522, 55.3838 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

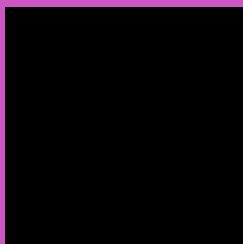
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.1380, 23.9522, 55.3838**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.1380, 23.9522, 55.3838.



This preview shows how white text looks on a background with the XYZ color 39.1380, 23.9522,



# 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

39.1380, 23.9522, 55.3838

### Protanopia

27.1871, 24.3150, 82.6172

### Deuteranopia

24.7753, 24.1622, 51.5021



## Tritanopia

31.7458, 23.9687, 19.1729

# Trichromacy



## Original Color

39.1380, 23.9522, 55.3838



## Protanomaly

28.6756, 22.3607, 71.9119



## Deuteranomaly

28.1542, 22.6861, 52.7641



## Tritanomaly

33.7554, 23.5762, 29.5596

# Monochromacy



## Original Color

39.1380, 23.9522, 55.3838



## Achromatopsia

23.0288, 24.2281, 26.3844



## Achromatomaly

27.2308, 22.7683, 35.3072

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.1380, 23.9522, 55.3838 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(207, 86, 197)` looks like.

```
.text, #text, p{  
    color:rgb(207, 86, 197)  
}
```

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(207, 86, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 86, 197) }
```

## Border

The CSS property to change the border of an element to XYZ 39.1380, 23.9522, 55.3838 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(207, 86, 197) }
```



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

```
.border{ border-color:rgb(207, 86, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 86, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 86, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 86, 197);  
box-shadow:4px 4px 4px 4px rgb(207, 86,  
197) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.1380, 23.9522, 55.3838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 86, 197) }
```

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

```
.background{ background-color: rgb(207, 86,  
197) }
```

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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