

# Converting Colors

XYZ(39.0826, 23.5823, 63.6323)

Have a look what the booklet for  
XYZ(39.0826, 23.5823, 63.6323)  
contains.

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# Color

**XYZ(38.9688, 23.5676,  
63.4679)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C955D2
RGB	201, 85, 210
RGB Percent	79%, 33%, 82%
CMY	0.2118, 0.6666, 0.1765
CMYK	0.04, 0.60, 0.00, 0.18
HSL	296°, 58%, 58%
HSV	296°, 60%, 82%
XYZ	38.9688, 23.5676, 63.4679
YIQ	133.9340, 29.0110, 63.4670

# Conversions

## Conversions Part 2

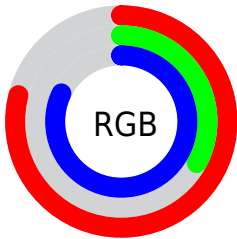
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	201, 85, 210
Decimal	13194706
CIE <sub>Lab</sub>	55.65, 62.60, -43.53
CIE <sub>LCh</sub>	56, 76.248, 325.187
Yxy	23.5676, 0.3093, 0.1870
Android (android.graphics.Color)	4291384786 (0xFFC955D2)
YUV	133.9340, 37.5005, 58.8169
Hunter-Lab	48.5465, 58.3276, -43.5311

# Details

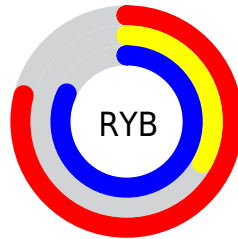
The XYZ color **38.9688, 23.5676, 63.4679** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **29.3030, 49.1292, 16.5337**, and the grayscale version is **22.4959, 23.6674, 25.7738**.

A 20% lighter version of the original color is **68.8149, 47.5298, 100.1550**, and **17.7049, 8.8697, 31.7892** is the 20% darker color. If you saturate the color by 10%, you get **37.1500, 20.5297, 62.9777**, and if you desaturate by 10%, it is **41.2838, 27.5905, 64.1227**.

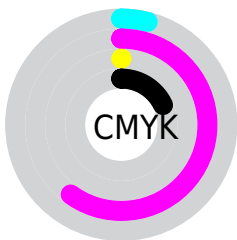
# Distribution



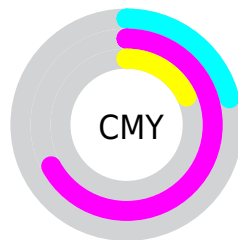
- Red (79%)
- Green (33%)
- Blue (82%)



- Red (79%)
- Yellow (33%)
- Blue (82%)



- Cyan (4%)
- Magenta (60%)
- Yellow (0%)
- Black (18%)



- Cyan (21%)
- Magenta (67%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9688, 23.5676, 63.4679 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 38.9688, 23.5676, 63.4679 by changing the saturation by 10% instead.





 38.9688, 23.5676,  
63.4679


 38.9688, 23.5676,  
63.4679


332.9673,  
270.6271, 455.4202


 26.9161, 15.0132,  
45.7764


 72.8850, 49.3237,  
111.4364


 17.6465, 8.8286,  
31.7220


 95.4792, 67.2941,  
142.5504

 10.7946, 4.6296,  
20.8862


 122.3180, 89.1720,  
178.9757

 5.9952, 2.0316,  
12.8504

 153.7666,  
115.3417, 221.1308

 2.8828, 0.6257,  
7.1961

190.1905,  
146.1877, 269.4343

 1.0921, 0.0000,  
3.5047

231.9550,

 0.0185, 0.0000,

182.0943, 324.3047

1.3578

279.4255,  
223.4460, 386.1605

■ 0.0000, 0.0000,  
0.1085

■ 0.0000, 0.0000,  
0.0000

■ 38.9688, 23.5676,  
63.4679

■ 38.9688, 23.5676,  
63.4679

■ 37.1500, 20.5297,  
62.9777

■ 41.2838, 27.5905,  
64.1227

■ 35.7799, 18.3841,  
62.6358


■ 44.1317, 32.6741,  
64.9539


■ 34.8064, 17.0256,  
62.4249


■ 47.5489, 38.8901,  
65.9736


■ 34.1378, 16.2710,  
62.3145


■ 51.5676, 46.3033,  
67.1926


 34.1082, 16.2396,  
62.3100

 56.2179, 54.9735,  
68.6211

 61.5275, 64.9564,  
70.2681

 67.5227, 76.3045,  
72.1425

 74.2283, 89.0674,  
74.2526

 75.3024, 90.5610,  
74.4843

# Harmonies

## Analogous

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



30.2285, 23.5676, 97.1431



38.9688, 23.5676, 63.4679



43.3328, 23.5676, 29.8581

# Triad

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



38.9688, 23.5676, 63.4679



23.8214, 23.5676, 1.4641



10.4914, 23.5676, 51.6577

# Complementary

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



38.9688, 23.5676, 63.4679



29.3030, 49.1292, 16.5337

# 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.



9.6018, 23.5676, 21.8771



38.9688, 23.5676, 63.4679



16.0557, 23.5676, 2.2081

# Square

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



38.9688, 23.5676, 63.4679



33.2696, 23.5676, 3.0799



11.3536, 23.5676, 6.9706



14.2009, 23.5676, 87.7772



# Rectangle

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



38.9688, 23.5676, 63.4679



42.5292, 23.5676, 15.1182



11.3536, 23.5676, 6.9706



9.9010, 23.5676, 40.2290

# Sweetspot

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



38.9697, 23.5686, 63.4684



80.9097, 73.5087, 104.5319



19.5099, 14.8451, 62.8102



16.8958, 14.9508, 22.2452



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.



38.9697, 23.5686, 63.4684



57.1017, 30.9821, 97.5783



35.9919, 22.6652, 34.7890



12.2233, 11.9639, 14.9087



20.8418, 9.9246, 38.0097



1.1910, 0.5682, 2.1265



# Inverse Universe

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



31.8479, 21.0076, 12.9667



45.4051, 26.8387, 11.8007



31.3150, 49.8336, 31.6677



11.8428, 11.8218, 12.4479



16.2795, 8.3846, 1.1119

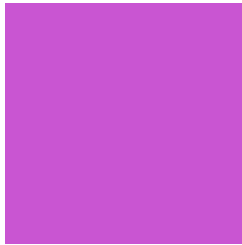


0.9226, 0.4738, 0.1272



# Previews

## White Background



This preview shows how the XYZ color 38.9688, 23.5676, 63.4679 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

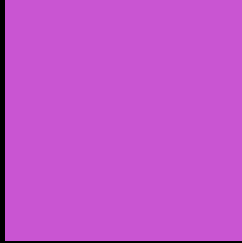
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.9688, 23.5676, 63.4679 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

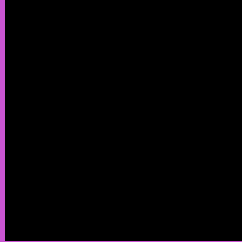
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 38.9688, 23.5676, 63.4679**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.9688, 23.5676, 63.4679.



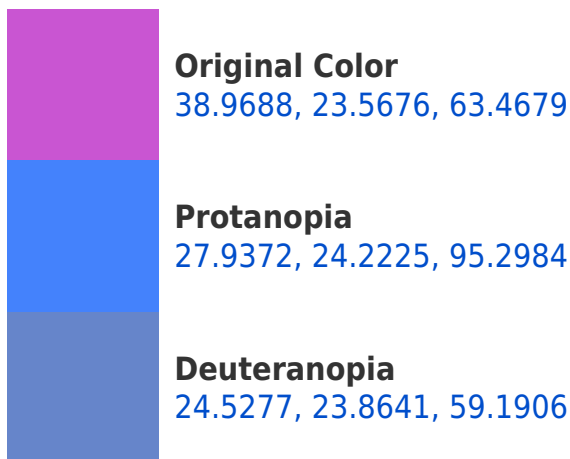
This preview shows how white text looks on a background with the XYZ color 38.9688, 23.5676,

63.4679.

# 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





## Tritanopia

30.1409, 23.4309, 20.3868

# Trichromacy



## Original Color

38.9688, 23.5676, 63.4679



## Protanomaly

28.5058, 21.8621, 82.8381



## Deuteranomaly

27.7461, 22.3018, 60.5999



## Tritanomaly

32.5693, 23.0437, 32.4370

# Monochromacy



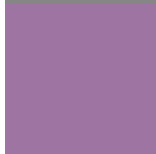
## Original Color

38.9688, 23.5676, 63.4679



## Achromatopsia

22.6597, 23.8398, 25.9615



## Achromatomaly

26.8675, 22.3685, 37.0839

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.9688, 23.5676, 63.4679 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(201, 85, 210)` looks like.

```
.text, #text, p{  
    color:rgb(201, 85, 210)  
}
```

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(201, 85, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 85, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 38.9688, 23.5676, 63.4679 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(201, 85, 210) }
```



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

```
.border{ border-color:rgb(201, 85, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 85, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 85, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 85, 210);  
box-shadow:4px 4px 4px 4px rgb(201, 85,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.9688, 23.5676, 63.4679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 85, 210) }
```

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

```
.background{ background-color: rgb(201, 85,  
210) }
```

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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