

Converting Colors

XYZ(39.5336, 23.7660, 62.3672)

Have a look what the booklet for
XYZ(39.5336, 23.7660, 62.3672)
contains.

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Color

**XYZ(39.4573, 23.7321,
62.1756)**

Conversions

Conversions Part 1

Format	Color
Hex	CC54D0
RGB	204, 84, 208
RGB Percent	80%, 33%, 82%
CMY	0.2000, 0.6706, 0.1843
CMYK	0.02, 0.60, 0.00, 0.18
HSL	298°, 57%, 57%
HSV	298°, 60%, 82%
XYZ	39.4573, 23.7321, 62.1756
YIQ	134.0160, 31.7160, 64.0040

Conversions

Conversions Part 2

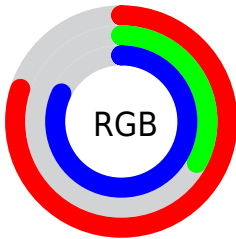
Format	Color
RYB	204, 84, 208
Decimal	13391056
CIELab	55.82, 63.43, -42.10
CIELCh	56, 76.130, 326.425
Yxy	23.7321, 0.3147, 0.1893
Android (android.graphics.Color)	4291581136 (0xFFCC54D0)
YUV	134.0160, 36.4741, 61.3760
Hunter-Lab	48.7156, 59.3241, -41.5708

Details

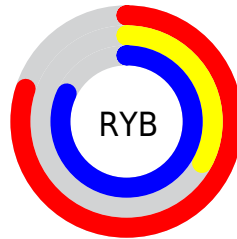
The XYZ color **39.4573, 23.7321, 62.1756** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **28.1814, 47.8271, 16.1349**, and the grayscale version is **22.5290, 23.7023, 25.8118**.

A 20% lighter version of the original color is **68.6681, 47.2362, 100.1060**, and **17.9987, 8.9356, 30.9131** is the 20% darker color. If you saturate the color by 10%, you get **37.8928, 20.8749, 61.7069**, and if you desaturate by 10%, it is **41.5035, 27.5503, 62.8051**.

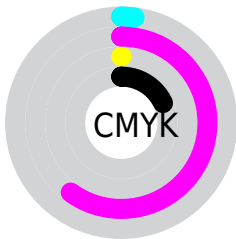
Distribution



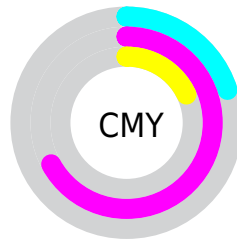
- Red (80%)
- Green (33%)
- Blue (82%)



- Red (80%)
- Yellow (33%)
- Blue (82%)



- Cyan (2%)
- Magenta (60%)
- Yellow (0%)
- Black (18%)



- Cyan (20%)
- Magenta (67%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4573, 23.7321, 62.1756 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 39.4573, 23.7321, 62.1756 by changing the saturation by 10% instead.

39.4573, 23.7321,
62.1756

39.4573, 23.7321,
62.1756

335.0046,
271.4633, 450.5967

27.2980, 15.1350,
44.7379

73.6260, 49.5927,
109.5533

17.9349, 8.9142,
30.9096

96.3661, 67.6249,
140.3305

11.0027, 4.6853,
20.2721

123.3639, 89.5711,
176.3911

6.1359, 2.0638,
12.4070

154.9846,
115.8154, 218.1539

2.9694, 0.6442,
6.8956

191.5937,
146.7424, 266.0373

1.1376, 0.0000,
3.3194

233.5565,

0.0562, 0.0000,

182.7365, 320.4598

1.2600

281.2383,
224.1820, 381.8401

■ 0.0000, 0.0000,
0.0286

■ 0.0000, 0.0000,
0.0000

■ 39.4573, 23.7321,
62.1756

■ 39.4573, 23.7321,
62.1756

■ 37.8928, 20.8749,
61.7069

■ 41.5035, 27.5503,
62.8051

■ 36.7636, 18.8877,
61.3828


■ 44.0673, 32.4031,
63.6066

■ 36.0187, 17.6679,
61.1867


■ 47.1842, 38.3610,
64.5923


■ 35.5669, 17.0332,
61.0880


■ 50.8858, 45.4870,
65.7727


 35.5512, 17.0121,
61.0847

 55.2013, 53.8397,
67.1575

 60.1580, 63.4736,
68.7558

 65.7814, 74.4398,
70.5761

 72.0959, 86.7870,
72.6265

 73.7347, 89.7815,
73.1181

Harmonies

Analogous

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



30.8030, 23.7321, 96.3341



39.4573, 23.7321, 62.1756



43.5766, 23.7321, 28.9271

Triad

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



39.4573, 23.7321, 62.1756



23.6102, 23.7321, 1.4905



10.6947, 23.7321, 53.3841

Complementary

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



39.4573, 23.7321, 62.1756



28.1814, 47.8271, 16.1349

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.



9.6903, 23.7321, 22.9811



39.4573, 23.7321, 62.1756



15.9314, 23.7321, 2.3456

Square

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



39.4573, 23.7321, 62.1756



33.0685, 23.7321, 2.9984



11.3381, 23.7321, 7.4286



14.5482, 23.7321, 89.3648

Rectangle

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



39.4573, 23.7321, 62.1756



42.5810, 23.7321, 14.5704



11.3381, 23.7321, 7.4286



10.0633, 23.7321, 41.7961

Sweetspot

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



39.4582, 23.7332, 62.1761



81.5725, 73.8503, 104.5629



18.5430, 13.4414, 61.2919



17.0603, 15.0356, 22.2529



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.



39.4582, 23.7332, 62.1761



59.4236, 31.9317, 97.6392



34.6993, 21.9579, 31.3211



12.2715, 11.9888, 14.9109



22.1739, 10.6114, 38.0720



1.2519, 0.5995, 2.1293

Inverse Universe

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



30.9450, 20.4561, 11.5510



44.8697, 26.3579, 9.8036



31.0854, 48.9461, 33.3492



11.8240, 11.8143, 12.3488



16.2421, 8.3697, 0.9153



0.9137, 0.4702, 0.0804

Previews

White Background



This preview shows how the XYZ color 39.4573, 23.7321, 62.1756 looks on a white background.

Color Contrast Check

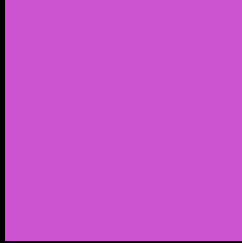
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.4573, 23.7321, 62.1756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

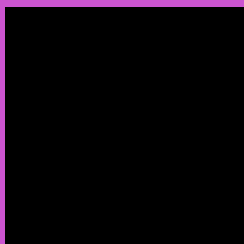
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.4573, 23.7321, 62.1756

Background



This preview shows how black text looks on a background with the XYZ color 39.4573, 23.7321, 62.1756.



This preview shows how white text looks on a background with the XYZ color 39.4573, 23.7321,

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

39.4573, 23.7321, 62.1756

Protanopia

27.8365, 24.2070, 93.6478

Deuteranopia

24.6386, 23.9484, 57.9675



Tritanopia

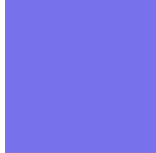
30.6718, 23.5591, 19.7604

Trichromacy



Original Color

39.4573, 23.7321, 62.1756



Protanomaly

28.5083, 21.7304, 81.2891



Deuteranomaly

27.8947, 22.2360, 59.3217



Tritanomaly

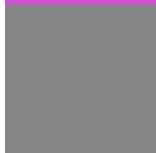
33.0882, 23.1867, 31.5857

Monochromacy



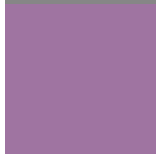
Original Color

39.4573, 23.7321, 62.1756



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

26.9765, 22.4349, 36.6268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4573, 23.7321, 62.1756 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(204, 84, 208)` looks like.

```
.text, #text, p{  
    color:rgb(204, 84, 208)  
}
```

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(204, 84, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 84, 208) }
```

Border

The CSS property to change the border of an element to XYZ 39.4573, 23.7321, 62.1756 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(204, 84, 208) }
```


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

```
.border{ border-color:rgb(204, 84, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 84, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 84, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 84, 208);  
box-shadow:4px 4px 4px 4px rgb(204, 84,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4573, 23.7321, 62.1756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 84, 208) }
```

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

```
.background{ background-color: rgb(204, 84,  
208) }
```

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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