

Converting Colors

XYZ(38.4241, 23.8901, 67.1380)

Have a look what the booklet for
XYZ(38.4241, 23.8901, 67.1380)
contains.

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Color

**XYZ(38.5125, 23.9906,
66.8908)**

Conversions

Conversions Part 1

Format	Color
Hex	C35BD7
RGB	195, 91, 215
RGB Percent	76%, 36%, 84%
CMY	0.2353, 0.6431, 0.1569
CMYK	0.09, 0.58, 0.00, 0.16
HSL	290°, 61%, 60%
HSV	290°, 58%, 84%
XYZ	38.5125, 23.9906, 66.8908
YIQ	136.2320, 22.1800, 60.6120

Conversions

Conversions Part 2

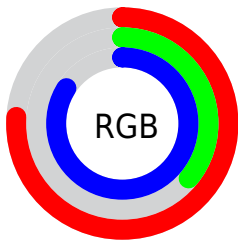
Format	Color
RYB	195, 91, 215
Decimal	12803031
CIELab	56.08, 59.31, -45.75
CIELCh	56, 74.901, 322.356
Yxy	23.9906, 0.2976, 0.1854
Android (android.graphics.Color)	4290993111 (0xFFC35BD7)
YUV	136.2320, 38.8326, 51.5395
Hunter-Lab	48.9802, 54.6369, -46.6844

Details

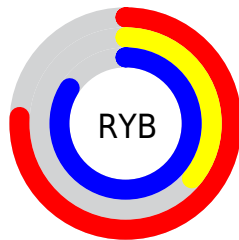
The XYZ color **38.5125, 23.9906, 66.8908** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **32.7451, 52.7363, 18.3519**, and the grayscale version is **23.3428, 24.5585, 26.7442**.

A 20% lighter version of the original color is **69.2019, 48.8486, 100.3891**, and **17.3703, 9.0291, 34.0850** is the 20% darker color. If you saturate the color by 10%, you get **36.0455, 20.3707, 66.3225**, and if you desaturate by 10%, it is **41.5285, 28.6760, 67.6366**.

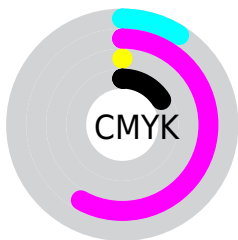
Distribution



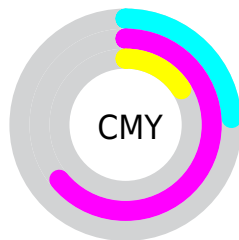
- Red (76%)
- Green (36%)
- Blue (84%)



- Red (76%)
- Yellow (36%)
- Blue (84%)



- Cyan (9%)
- Magenta (58%)
- Yellow (0%)
- Black (16%)





- Cyan (24%)
- Magenta (64%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5125, 23.9906, 66.8908 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 38.5125, 23.9906, 66.8908 by changing the saturation by 10% instead.

 38.5125, 23.9906,
66.8908


 38.5125, 23.9906,
66.8908


331.0563,
272.7730, 468.0469

 26.5597, 15.3266,
48.5348


 72.1918, 50.0149,
116.4031


 17.3777, 9.0490,
33.8876


 94.6491, 68.1440,
148.3965

 10.6011, 4.7731,
22.5306


 121.3386, 90.1969,
185.7728

 5.8646, 2.1148,
14.0453

 152.6256,
116.5581, 228.9506

 2.8028, 0.6729,
8.0131

188.8755,
147.6119, 278.3483

 1.0504, 0.0000,
4.0154

230.4537,

 0.0000, 0.0000,

183.7427, 334.3846

1.6338

277.7255,
225.3349, 397.4779

■ 0.0000, 0.0000,
0.3148

■ 0.0000, 0.0000,
0.0000

■ 38.5125, 23.9906,
66.8908

■ 38.5125, 23.9906,
66.8908

■ 36.0455, 20.3707,
66.3225

■ 41.5285, 28.6760,
67.6366

■ 34.0783, 17.7204,
65.9146


■ 45.1317, 34.5056,
68.5719


■ 32.5574, 15.9321,
65.6496


■ 49.3600, 41.5542,
69.7096


■ 31.4069, 14.8546,
65.5022


■ 54.2473, 49.8893,
71.0608


 31.1637, 14.6485,
65.4753

 59.8250, 59.5734,
72.6360

 66.1225, 70.6650,
74.4450

 73.1672, 83.2192,
76.4969

 78.3781, 92.0735,
77.9313

 79.4560, 92.6292,
77.9818

Harmonies

Analogous

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



29.6680, 23.9906, 98.6767



38.5125, 23.9906, 66.8908



43.3645, 23.9906, 32.9217

Triad

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



38.5125, 23.9906, 66.8908



25.0672, 23.9906, 1.7051



10.6979, 23.9906, 48.5198

Complementary

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



38.5125, 23.9906, 66.8908



32.7451, 52.7363, 18.3519

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.



10.0515, 23.9906, 20.3291



38.5125, 23.9906, 66.8908



17.0871, 23.9906, 2.2646

Square

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



38.5125, 23.9906, 66.8908



34.4309, 23.9906, 3.7317



12.0779, 23.9906, 6.5905



14.1401, 23.9906, 84.2085

Rectangle

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



38.5125, 23.9906, 66.8908



43.0041, 23.9906, 17.2624



12.0779, 23.9906, 6.5905



10.1885, 23.9906, 37.5880

Sweetspot

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



38.5134, 23.9916, 66.8913



80.2204, 74.0901, 104.6805



22.3386, 18.6465, 66.7121



16.8387, 15.2877, 22.3133



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.



38.5134, 23.9916, 66.8913



52.4089, 29.0886, 97.4601



39.3737, 24.9732, 42.6203



12.7472, 12.5266, 15.6835



18.7151, 8.8005, 39.1654



1.1826, 0.5585, 2.3648

Inverse Universe

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



34.6354, 23.0779, 17.6690



46.7160, 27.9298, 16.9571



32.8034, 52.5007, 30.3555



12.5041, 12.4532, 13.3290



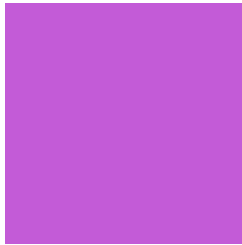
16.9663, 8.7228, 1.8604



1.0493, 0.5365, 0.2490

Previews

White Background



This preview shows how the XYZ color 38.5125, 23.9906, 66.8908 looks on a white background.

Color Contrast Check

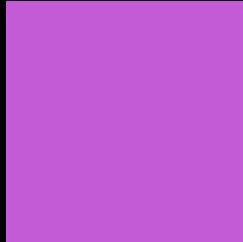
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.5125, 23.9906, 66.8908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

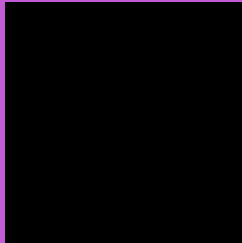
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.5125, 23.9906, 66.8908

Background



This preview shows how black text looks on a background with the XYZ color 38.5125, 23.9906, 66.8908.



This preview shows how white text looks on a background with the XYZ color 38.5125, 23.9906,

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

38.5125, 23.9906, 66.8908

Protanopia

28.2128, 24.5630, 95.3496

Deuteranopia

24.8246, 24.1519, 62.3849



Tritanopia

29.4119, 24.0133, 22.1536

Trichromacy



Original Color

38.5125, 23.9906, 66.8908



Protanomaly

28.8956, 22.3676, 84.4558



Deuteranomaly

27.7842, 22.5966, 63.8700



Tritanomaly

31.8370, 23.5145, 34.7590

Monochromacy



Original Color

38.5125, 23.9906, 66.8908



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

27.4126, 23.3177, 38.6533

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5125, 23.9906, 66.8908 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(195, 91, 215)` looks like.

```
.text, #text, p{  
    color:rgb(195, 91, 215)  
}
```

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(195, 91, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 91, 215) }
```

Border

The CSS property to change the border of an element to XYZ 38.5125, 23.9906, 66.8908 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(195, 91, 215) }
```


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

```
.border{ border-color:rgb(195, 91, 215) }
```

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

Here you see how a box with a 4 pixel rgb(195, 91, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 91, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 91, 215);  
box-shadow:4px 4px 4px 4px rgb(195, 91,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5125, 23.9906, 66.8908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 91, 215) }
```

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

```
.background{ background-color: rgb(195, 91,  
215) }
```

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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