

Converting Colors

XYZ(35.1351, 23.4254, 45.9430)

Have a look what the booklet for
XYZ(35.1351, 23.4254, 45.9430)
contains.

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Color

**XYZ(35.1860, 23.3968,
45.8415)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C460B4 |
| RGB | 196, 96, 180 |
| RGB Percent | 77%, 38%, 71% |
| CMY | 0.2314, 0.6235, 0.2941 |
| CMYK | 0.00, 0.51, 0.08, 0.23 |
| HSL | 310°, 46%, 57% |
| HSV | 310°, 51%, 77% |
| XYZ | 35.1860, 23.3968, 45.8415 |
| YIQ | 135.4760, 32.6360, 47.3240 |

Conversions

Conversions Part 2

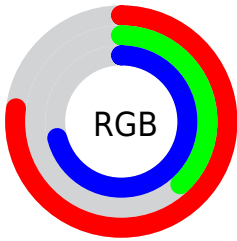
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 196, 96, 180 |
| Decimal | 12869812 |
| CIE Lab | 55.48, 50.92, -26.66 |
| CIE LCh | 55, 57.475, 332.365 |
| Yxy | 23.3968, 0.3370, 0.2241 |
| Android (android.graphics.Color) | 4291059892 (0xFFC460B4) |
| YUV | 135.4760, 21.9503, 53.0795 |
| Hunter-Lab | 48.3702, 45.1985, -22.3312 |

Details

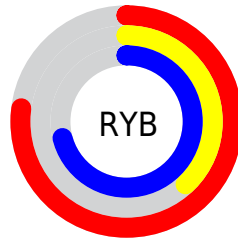
The XYZ color **35.1860, 23.3968, 45.8415** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **27.4895, 43.1373, 22.2083**, and the grayscale version is **23.1192, 24.3232, 26.4880**.

A 20% lighter version of the original color is **66.9197, 48.9397, 85.2761**, and **15.4739, 8.7637, 20.9547** is the 20% darker color. If you saturate the color by 10%, you get **33.2999, 20.1297, 43.6544**, and if you desaturate by 10%, it is **37.5266, 27.5605, 48.2162**.

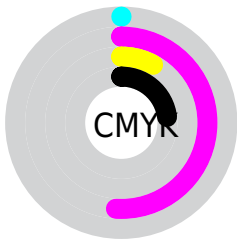
Distribution



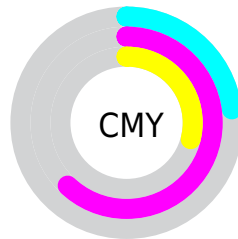
- Red (77%)
- Green (38%)
- Blue (71%)



- Red (77%)
- Yellow (38%)
- Blue (71%)



- Cyan (0%)
- Magenta (51%)
- Yellow (8%)
- Black (23%)





- Cyan (23%)
- Magenta (62%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1860, 23.3968, 45.8415 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 35.1860, 23.3968, 45.8415 by changing the saturation by 10% instead.

 35.1860, 23.3968,
45.8415


 35.1860, 23.3968,
45.8415


316.8822,
269.7565, 386.4301


 23.9734, 14.8868,
31.7730


 67.1059, 49.0441,
85.3135


 15.4385, 8.7400,
20.9248


 88.5440, 66.9501,
111.5541

 9.2160, 4.5720,
12.8783


 114.1212, 88.7569,
142.6892

 4.9406, 1.9984,
7.2151

 144.2029,
114.8489, 179.1372

 2.2468, 0.6065,
3.5165

179.1545,
145.6104, 221.3168

 0.7673, 0.0000,
1.3640

219.3414,

 0.0000, 0.0000,

181.4260, 269.6464

0.1134

265.1288,
222.6799, 324.5447

■ 0.0000, 0.0000,
0.0000

■ 35.1860, 23.3968,
45.8415

■ 35.1860, 23.3968,
45.8415

■ 33.2999, 20.1297,
43.6544

■ 37.5266, 27.5605,
48.2162

■ 31.8322, 17.6883,
41.6420

■ 40.3498, 32.6780,
50.7874

■ 30.7449, 15.9965,
39.7916

■ 43.6839, 38.8058,
53.5652

■ 29.9924, 14.9627,
38.0878

■ 47.5547, 45.9949,
56.5581

■ 29.5238, 14.4393,
36.6561

■ 51.9858, 54.2930,
59.7744

■ 56.9997, 63.7447,
63.2217

■ 62.6176, 74.3924,
66.9074

■ 68.8595, 86.2761,
70.8383

■ 69.9382, 87.8211,
73.0857

Harmonies

Analogous

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



29.5875, 23.3968, 68.9970



35.1860, 23.3968, 45.8415



37.1343, 23.3968, 24.0325

Triad

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



35.1860, 23.3968, 45.8415



21.7283, 23.3968, 3.8798



13.2953, 23.3968, 49.7145

Complementary

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



35.1860, 23.3968, 45.8415



27.4895, 43.1373, 22.2083

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.



11.9770, 23.3968, 26.9744



35.1860, 23.3968, 45.8415



16.2190, 23.3968, 5.6716

Square

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



35.1860, 23.3968, 45.8415



28.5244, 23.3968, 5.1483



12.9342, 23.3968, 12.2613



16.9505, 23.3968, 71.8943

Rectangle

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



35.1860, 23.3968, 45.8415



35.8468, 23.3968, 14.1773



12.9342, 23.3968, 12.2613



12.6001, 23.3968, 41.5863

Sweetspot

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



35.1868, 23.3979, 45.8420



83.0686, 77.5890, 100.1221



20.7034, 15.7321, 54.1704



17.4601, 16.0131, 21.1823



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.



35.1868, 23.3979, 45.8420



60.0430, 35.9886, 78.7261



31.0455, 21.7414, 24.0343



10.4258, 10.2189, 12.3329



18.9968, 9.2885, 23.6928



0.8398, 0.4089, 1.1236

Inverse Universe

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



35.1868, 23.3979, 45.8420



60.0430, 35.9886, 78.7261



30.9978, 44.5406, 40.6827



10.4258, 10.2189, 12.3329



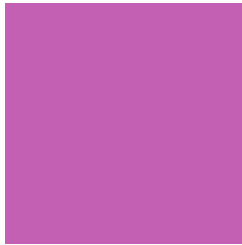
18.9968, 9.2885, 23.6928



0.8398, 0.4089, 1.1236

Previews

White Background



This preview shows how the XYZ color 35.1860, 23.3968, 45.8415 looks on a white background.

Color Contrast Check

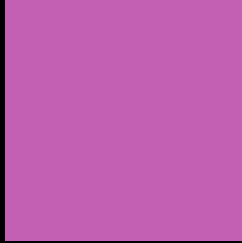
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.1860, 23.3968, 45.8415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

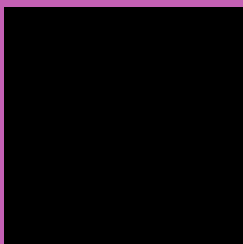
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.1860, 23.3968, 45.8415

Background



This preview shows how black text looks on a background with the XYZ color 35.1860, 23.3968, 45.8415.



This preview shows how white text looks on a background with the XYZ color 35.1860, 23.3968,

45.8415.

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

35.1860, 23.3968, 45.8415

Protanopia

25.3272, 23.7899, 62.9315

Deuteranopia

24.0685, 23.5737, 43.3260



Tritanopia

29.8322, 23.2787, 20.0604

Trichromacy



Original Color

35.1860, 23.3968, 45.8415

Protanomaly

27.1527, 22.4374, 56.3258

Deuteranomaly

26.8926, 22.5755, 44.0144

Tritanomaly

31.5975, 23.2327, 28.0183

Monochromacy



Original Color

35.1860, 23.3968, 45.8415

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

26.3279, 23.0772, 32.3449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1860, 23.3968, 45.8415 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(196, 96, 180)` looks like.

```
.text, #text, p{  
    color:rgb(196, 96, 180)  
}
```

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(196, 96, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 96, 180) }
```

Border

The CSS property to change the border of an element to XYZ 35.1860, 23.3968, 45.8415 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(196, 96, 180) }
```


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

```
.border{ border-color:rgb(196, 96, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 96, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 96, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 96, 180);  
box-shadow:4px 4px 4px 4px rgb(196, 96,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1860, 23.3968, 45.8415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 96, 180) }
```

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

```
.background{ background-color: rgb(196, 96,  
180) }
```

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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