

# Converting Colors

XYZ(35.1804, 18.8055, 48.2300)

Have a look what the booklet for  
XYZ(35.1804, 18.8055, 48.2300)  
contains.

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# Color

**XYZ(35.1804, 18.8055,  
48.2300)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD32BA
RGB	205, 50, 186
RGB Percent	80%, 20%, 73%
CMY	0.1961, 0.8039, 0.2706
CMYK	0.00, 0.76, 0.09, 0.20
HSL	307°, 61%, 50%
HSV	307°, 76%, 80%
XYZ	35.1804, 18.8055, 48.2300
YIQ	111.8490, 48.7240, 75.1560

# Conversions

## Conversions Part 2

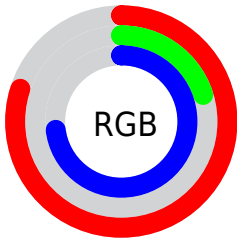
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 50, 186
Decimal	13447866
CIE <sub>Lab</sub>	50.46, 72.54, -37.87
CIE <sub>LCh</sub>	50, 81.829, 332.430
Yxy	18.8055, 0.3442, 0.1840
Android (android.graphics.Color)	4291637946 (0xFFCD32BA)
YUV	111.8490, 36.5564, 81.6934
Hunter-Lab	43.3653, 68.9200, -35.5854

# Details

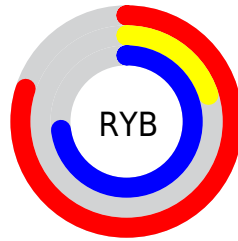
The XYZ color **35.1804, 18.8055, 48.2300** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted rose. A complement of this color would be **24.2219, 44.7713, 12.9968**, and the grayscale version is **15.2446, 16.0385, 17.4659**.

A 20% lighter version of the original color is **63.2118, 39.3194, 89.0518**, and **16.1975, 7.8690, 22.4950** is the 20% darker color. If you saturate the color by 10%, you get **34.2271, 17.3224, 46.6057**, and if you desaturate by 10%, it is **36.5318, 21.0765, 50.0105**.

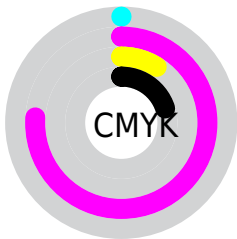
# Distribution



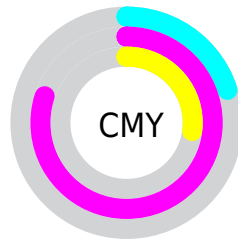
- Red (80%)
- Green (20%)
- Blue (73%)



- Red (80%)
- Yellow (20%)
- Blue (73%)



- Cyan (0%)
- Magenta (76%)
- Yellow (9%)
- Black (20%)




- Cyan (20%)
- Magenta (80%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1804, 18.8055, 48.2300 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 35.1804, 18.8055, 48.2300 by changing the saturation by 10% instead.




 35.1804, 18.8055,  
48.2300


 35.1804, 18.8055,  
48.2300


316.8580,  
245.3729, 396.2380


 23.9690, 11.5298,  
33.6478


 67.0973, 41.4052,  
88.9159


 15.4353, 6.4244,  
22.3480


 88.5336, 57.4980,  
115.8566


 9.2137, 3.1048,  
13.9121

 114.1089, 77.2986,  
147.7539

 4.9391, 1.1867,  
7.9215

 144.1885,  
101.1914, 185.0263

 2.2460, 0.0508,  
3.9577

 179.1379,  
129.5609, 228.0924

 0.7668, 0.0000,  
1.6022

219.3224,

 0.0000, 0.0000,

162.7914, 277.3707

0.2924

265.1073,  
201.2672, 333.2797

■ 0.0000, 0.0000,  
0.0000

■ 35.1804, 18.8055,  
48.2300

■ 35.1804, 18.8055,  
48.2300

■ 34.2271, 17.3224,  
46.6057

■ 36.5318, 21.0765,  
50.0105

■ 33.6128, 16.5100,  
45.1173

■ 38.3259, 24.2257,  
51.9616

■ 33.4021, 16.2693,  
44.4903

■ 40.6032, 28.3339,  
54.0973

■ 43.3995, 33.4722,  
56.4295

■ 46.7467, 39.7047,  
58.9690

■ 50.6744, 47.0907,  
61.7258

■ 55.2101, 55.6849,  
64.7091

■ 60.3795, 65.5385,  
67.9276

■ 66.2067, 76.7000,  
71.3894

# Harmonies

## Analogous

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



27.4107, 18.8055, 84.3053



35.1804, 18.8055, 48.2300



37.9608, 18.8055, 18.6721

# Triad

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



35.1804, 18.8055, 48.2300



17.2326, 18.8055, 0.3666



7.8121, 18.8055, 54.1599

# Complementary

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



35.1804, 18.8055, 48.2300



24.2219, 44.7713, 12.9968

# 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.



6.5226, 18.8055, 22.3925



35.1804, 18.8055, 48.2300



10.8540, 18.8055, 1.2835

# Square

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



35.1804, 18.8055, 48.2300



25.9421, 18.8055, 1.0118



7.4440, 18.8055, 6.1439



11.6806, 18.8055, 89.1733



# Rectangle

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



35.1804, 18.8055, 48.2300



36.1002, 18.8055, 7.8847



7.4440, 18.8055, 6.1439



7.1249, 18.8055, 42.1885

# Sweetspot

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



35.1811, 18.8064, 48.2304



77.9728, 67.6635, 97.6032



14.5508, 7.9220, 58.5205



16.2198, 13.6034, 20.5503



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.



35.1811, 18.8064, 48.2304



55.3489, 27.3922, 74.7198



29.1012, 16.3745, 16.2143



11.6260, 11.3791, 13.8313



20.8176, 10.1376, 27.8220



1.0910, 0.5298, 1.5251



# Inverse Universe

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



35.1811, 18.8064, 48.2304



55.3489, 27.3922, 74.7198



28.3036, 46.4040, 34.4912



11.6260, 11.3791, 13.8313



20.8176, 10.1376, 27.8220



1.0910, 0.5298, 1.5251



# Previews

## White Background



This preview shows how the XYZ color 35.1804, 18.8055, 48.2300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

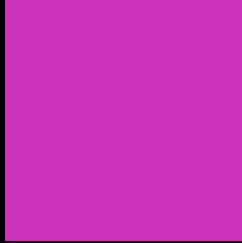
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.1804, 18.8055, 48.2300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

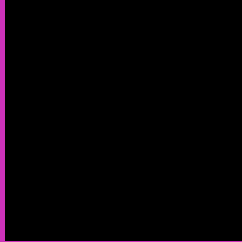
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.1804, 18.8055, 48.2300**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.1804, 18.8055, 48.2300.



This preview shows how white text looks on a background with the XYZ color 35.1804, 18.8055,



# 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

35.1804, 18.8055, 48.2300

### Protanopia

23.1528, 19.3030, 88.8918

### Deuteranopia

19.5899, 19.1642, 43.7409



## Tritanopia

27.5215, 18.6809, 11.8281

# Trichromacy



## Original Color

35.1804, 18.8055, 48.2300



## Protanomaly

21.5961, 15.2603, 72.3283



## Deuteranomaly

22.6470, 16.7981, 45.2287



## Tritanomaly

29.5722, 18.2575, 21.3675

# Monochromacy



## Original Color

35.1804, 18.8055, 48.2300



## Achromatopsia

15.4009, 16.2029, 17.6450



## Achromatomaly

20.0866, 15.1198, 26.2858

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.1804, 18.8055, 48.2300 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(205, 50, 186)` looks like.

```
.text, #text, p{  
    color:rgb(205, 50, 186)  
}
```

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(205, 50, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 50, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 35.1804, 18.8055, 48.2300 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(205, 50, 186) }
```



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

```
.border{ border-color:rgb(205, 50, 186) }
```

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

Here you see how a box with a 4 pixel rgb(205, 50, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 50, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 50, 186);  
box-shadow:4px 4px 4px 4px rgb(205, 50,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.1804, 18.8055, 48.2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 50, 186) }
```

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

```
.background{ background-color: rgb(205, 50,  
186) }
```

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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