

Converting Colors

XYZ(35.8044, 18.3687, 45.4297)

Have a look what the booklet for
XYZ(35.8044, 18.3687, 45.4297)
contains.

XYZ(35.8055, 18.3871, 45.3780)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.8055, 18.3871,
45.3780)**

Conversions

Conversions Part 1

Format	Color
Hex	D323B5
RGB	211, 35, 181
RGB Percent	83%, 14%, 71%
CMY	0.1725, 0.8627, 0.2902
CMYK	0.00, 0.83, 0.14, 0.17
HSL	310°, 72%, 48%
HSV	310°, 83%, 83%
XYZ	35.8055, 18.3871, 45.3780
YIQ	104.2680, 58.0300, 82.7180

Conversions

Conversions Part 2

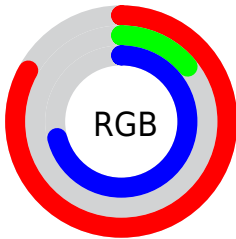
Format	Color
R_{YB}	211, 35, 181
Decimal	13837237
CIE _{Lab}	49.96, 76.79, -35.66
CIE _{LCh}	50, 84.668, 335.089
Yxy	18.3871, 0.3596, 0.1847
Android (android.graphics.Color)	4292027317 (0xFFD323B5)
YUV	104.2680, 37.8289, 93.6040
Hunter-Lab	42.8802, 74.0095, -32.7276

Details

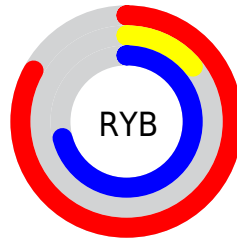
The XYZ color **35.8055, 18.3871, 45.3780** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **24.9426, 47.3283, 12.8237**, and the grayscale version is **13.1225, 13.8059, 15.0347**.

A 20% lighter version of the original color is **61.4764, 37.2751, 84.0754**, and **16.8452, 8.2339, 21.1235** is the 20% darker color. If you saturate the color by 10%, you get **34.9962, 17.3512, 43.3108**, and if you desaturate by 10%, it is **36.9984, 20.1741, 47.6203**.

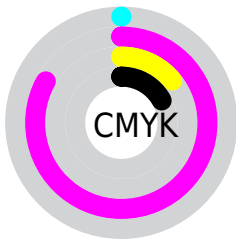
Distribution



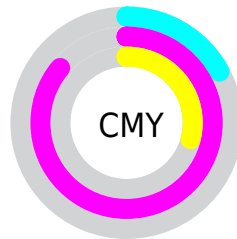
- Red (83%)
- Green (14%)
- Blue (71%)



- Red (83%)
- Yellow (14%)
- Blue (71%)



- Cyan (0%)
- Magenta (83%)
- Yellow (14%)
- Black (17%)





- Cyan (17%)
- Magenta (86%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8055, 18.3871, 45.3780 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 35.8055, 18.3871, 45.3780 by changing the saturation by 10% instead.

 35.8055, 18.3871,
45.3780


 35.8055, 18.3871,
45.3780


319.5557,
243.0440, 384.5070

 24.4534, 11.2283,
31.4102


 68.0576, 40.6958,
84.6118


 15.7969, 6.2206,
20.6503


 89.6883, 56.6145,
110.7148


 9.4705, 2.9797,
12.6799


 115.4760, 76.2220,
141.7000

 5.1089, 1.1211,
7.0804

 145.7859, 99.9025,
177.9859

 2.3467, 0.0000,
3.4332

 180.9835,
128.0406, 219.9910

 0.8184, 0.0000,
1.3199

221.4341,

 0.0000, 0.0000,

161.0206, 268.1338

0.0780

267.5031,
199.2269, 322.8330

■ 0.0000, 0.0000,
0.0000

■ 35.8055, 18.3871,
45.3780

■ 35.8055, 18.3871,
45.3780

■ 34.9962, 17.3512,
43.3108

■ 36.9984, 20.1741,
47.6203

■ 34.6052, 16.9454,
42.0208

■ 38.6311, 22.8258,
50.0565

■ 40.7525, 26.4395,
52.7034

■ 43.4046, 31.0988,
55.5751

■ 46.6245, 36.8782,
58.6845

■ 50.4462, 43.8454,
62.0432

■ 54.9009, 52.0627,
65.6619

■ 60.0176, 61.5879,
69.5507

■ 65.8236, 72.4756,
73.7189

Harmonies

Analogous

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



28.0755, 18.3871, 83.4227



35.8055, 18.3871, 45.3780



38.0966, 18.3871, 16.3104

Triad

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



35.8055, 18.3871, 45.3780



16.1278, 18.3871, 0.1264



7.5611, 18.3871, 58.2936

Complementary

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



35.8055, 18.3871, 45.3780



24.9426, 47.3283, 12.8237

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.



6.0817, 18.3871, 24.2543



35.8055, 18.3871, 45.3780



9.9501, 18.3871, 1.1951

Square

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



35.8055, 18.3871, 45.3780



24.9121, 18.3871, 0.6538



6.7962, 18.3871, 6.4750



11.6904, 18.3871, 94.1201

Rectangle

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



35.8055, 18.3871, 45.3780



35.7725, 18.3871, 6.4159



6.7962, 18.3871, 6.4750



6.8072, 18.3871, 45.5952

Sweetspot

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



35.8062, 18.3880, 45.3783



76.2747, 65.1705, 94.2526



14.4962, 7.0075, 62.2172



15.8702, 13.1169, 19.7780



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.



35.8062, 18.3880, 45.3783



53.0645, 25.9898, 64.1971



29.4715, 15.8541, 12.0203



12.2207, 11.9730, 14.4379



20.9173, 10.2398, 25.5345



1.1930, 0.5819, 1.5511

Inverse Universe

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



35.8062, 18.3880, 45.3783



53.0645, 25.9898, 64.1971



29.6833, 49.2246, 37.7880



12.2207, 11.9730, 14.4379



20.9173, 10.2398, 25.5345



1.1930, 0.5819, 1.5511

Previews

White Background



This preview shows how the XYZ color 35.8055, 18.3871, 45.3780 looks on a white background.

Color Contrast Check

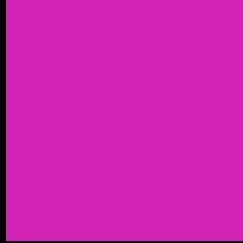
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.8055, 18.3871, 45.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

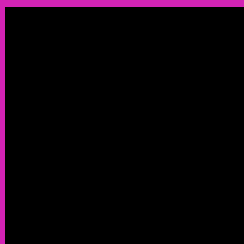
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.8055, 18.3871, 45.3780

Background



This preview shows how black text looks on a background with the XYZ color 35.8055, 18.3871, 45.3780.



This preview shows how white text looks on a background with the XYZ color 35.8055, 18.3871,

45.3780.

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

35.8055, 18.3871, 45.3780

Protanopia

22.7653, 18.9153, 89.6399

Deuteranopia

19.1010, 18.6258, 40.6186



Tritanopia

28.4962, 18.4584, 9.8455

Trichromacy



Original Color

35.8055, 18.3871, 45.3780



Protanomaly

19.5732, 13.5073, 70.6828



Deuteranomaly

22.1142, 15.6982, 41.9089



Tritanomaly

30.1103, 17.7087, 18.6608

Monochromacy



Original Color

35.8055, 18.3871, 45.3780



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

18.2885, 13.0975, 23.3940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8055, 18.3871, 45.3780 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(211, 35, 181)` looks like.

```
.text, #text, p{  
    color:rgb(211, 35, 181)  
}
```

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(211, 35, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 35, 181) }
```

Border

The CSS property to change the border of an element to XYZ 35.8055, 18.3871, 45.3780 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(211, 35, 181) }
```


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

```
.border{ border-color:rgb(211, 35, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 35, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 35, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 35, 181);  
box-shadow:4px 4px 4px 4px rgb(211, 35,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8055, 18.3871, 45.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 35, 181) }
```

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

```
.background{ background-color: rgb(211, 35,  
181) }
```

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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