

Converting Colors

XYZ(35.2993, 18.8218, 49.5327)

Have a look what the booklet for
XYZ(35.2993, 18.8218, 49.5327)
contains.

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Color

**XYZ(35.3945, 18.8912,
49.3578)**

Conversions

Conversions Part 1

Format	Color
Hex	CD32BC
RGB	205, 50, 188
RGB Percent	80%, 20%, 74%
CMY	0.1961, 0.8039, 0.2627
CMYK	0.00, 0.76, 0.08, 0.20
HSL	307°, 61%, 50%
HSV	307°, 76%, 80%
XYZ	35.3945, 18.8912, 49.3578
YIQ	112.0770, 48.0820, 75.7780

Conversions

Conversions Part 2

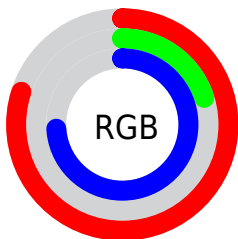
Format	Color
R _Y B	205, 50, 188
Decimal	13447868
CIE Lab	50.56, 72.83, -38.88
CIE LCh	51, 82.556, 331.905
Yxy	18.8912, 0.3415, 0.1823
Android (android.graphics.Color)	4291637948 (0xFFCD32BC)
YUV	112.0770, 37.4300, 81.4935
Hunter-Lab	43.4640, 69.2978, -36.9050

Details

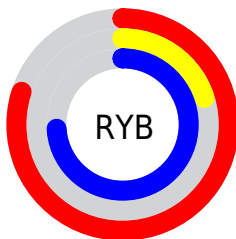
The XYZ color **35.3945, 18.8912, 49.3578** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted rose. A complement of this color would be **24.1608, 44.7467, 12.6753**, and the grayscale version is **15.3089, 16.1062, 17.5396**.

A 20% lighter version of the original color is **63.6266, 39.6628, 90.6884**, and **16.3357, 7.9243, 23.2228** is the 20% darker color. If you saturate the color by 10%, you get **34.4656, 17.4178, 47.8616**, and if you desaturate by 10%, it is **36.7207, 21.1522, 51.0054**.

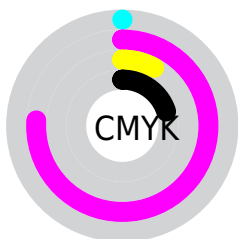
Distribution



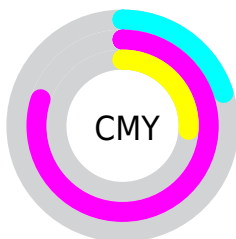
- Red (80%)
- Green (20%)
- Blue (74%)



- Red (80%)
- Yellow (20%)
- Blue (74%)



- Cyan (0%)
- Magenta (76%)
- Yellow (8%)
- Black (20%)





- Cyan (20%)
- Magenta (80%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3945, 18.8912, 49.3578 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 35.3945, 18.8912, 49.3578 by changing the saturation by 10% instead.

 35.3945, 18.8912,
49.3578


 35.3945, 18.8912,
49.3578


317.7838,
245.8475, 400.8121


 24.1349, 11.5917,
34.5358


 67.4265, 41.5502,
90.6091


 15.5590, 6.4663,
23.0248


 88.9295, 57.6784,
117.8755


 9.3015, 3.1306,
14.4064


 114.5777, 77.5184,
150.1271

 4.9970, 1.2003,
8.2619

 144.7364,
101.4544, 187.7824

 2.2803, 0.0620,
4.1728

 179.7711,
129.8710, 231.2601

 0.7845, 0.0000,
1.7206

220.0469,

 0.0000, 0.0000,

163.1524, 280.9785

0.3748

265.9294,
201.6831, 337.3564

■ 0.0000, 0.0000,
0.0000

■ 35.3945, 18.8912,
49.3578

■ 35.3945, 18.8912,
49.3578

■ 34.4656, 17.4178,
47.8616

■ 36.7207, 21.1522,
51.0054

■ 33.8746, 16.6147,
46.4964

■ 38.4886, 24.2909,
52.8187

■ 33.6739, 16.3780,
45.9220

■ 40.7389, 28.3883,
54.8117

■ 43.5071, 33.5154,
56.9962

■ 46.8253, 39.7364,
59.3829

■ 50.7231, 47.1104,
61.9820

■ 55.2279, 55.6922,
64.8025

■ 60.3654, 65.5332,
67.8530

■ 66.1597, 76.6815,
71.1419

Harmonies

Analogous

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



27.4568, 18.8912, 85.9557



35.3945, 18.8912, 49.3578



38.3301, 18.8912, 19.1286

Triad

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



35.3945, 18.8912, 49.3578



17.4452, 18.8912, 0.3259



7.7495, 18.8912, 54.0822

Complementary

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



35.3945, 18.8912, 49.3578



24.1608, 44.7467, 12.6753

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.



6.4919, 18.8912, 22.0806



35.3945, 18.8912, 49.3578



10.9460, 18.8912, 1.2135

Square

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



35.3945, 18.8912, 49.3578



26.2892, 18.8912, 1.0033



7.4589, 18.8912, 5.9462



11.6003, 18.8912, 89.8413

Rectangle

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



35.3945, 18.8912, 49.3578



36.5183, 18.8912, 8.0551



7.4589, 18.8912, 5.9462



7.0720, 18.8912, 41.9732

Sweetspot

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



35.3952, 18.8921, 49.3582



78.0904, 67.7105, 98.2224



14.3743, 7.8311, 58.5120



16.2487, 13.6149, 20.7028



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.



35.3952, 18.8921, 49.3582



55.7648, 27.5586, 76.9103



29.2430, 16.4312, 16.9612



11.6325, 11.3817, 13.8652



20.9848, 10.2045, 28.7023



1.0981, 0.5326, 1.5624

Inverse Universe

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



35.3952, 18.8921, 49.3582



55.7648, 27.5586, 76.9103



28.1056, 46.3247, 33.4485



11.6325, 11.3817, 13.8652



20.9848, 10.2045, 28.7023



1.0981, 0.5326, 1.5624

Previews

White Background



This preview shows how the XYZ color 35.3945, 18.8912, 49.3578 looks on a white background.

Color Contrast Check

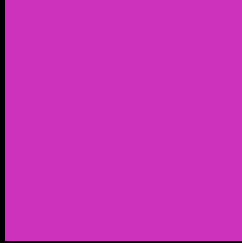
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.3945, 18.8912, 49.3578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

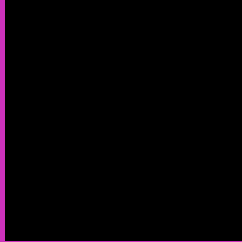
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.3945, 18.8912, 49.3578

Background



This preview shows how black text looks on a background with the XYZ color 35.3945, 18.8912, 49.3578.



This preview shows how white text looks on a background with the XYZ color 35.3945, 18.8912,

49.3578.

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

35.3945, 18.8912, 49.3578

Protanopia

23.3635, 19.5481, 90.5375

Deuteranopia

19.6821, 19.1887, 44.7859



Tritanopia

27.6425, 18.8544, 12.0799

Trichromacy



Original Color

35.3945, 18.8912, 49.3578



Protanomaly

21.3881, 15.2510, 73.7680



Deuteranomaly

22.6890, 16.7961, 46.3021



Tritanomaly

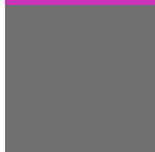
29.6364, 18.2832, 21.7057

Monochromacy



Original Color

35.3945, 18.8912, 49.3578



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

20.1601, 15.1492, 26.6725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3945, 18.8912, 49.3578 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, 188)` looks like.

```
.text, #text, p{  
    color:rgb(205, 50, 188)  
}
```

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, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 50, 188) }
```

Border

The CSS property to change the border of an element to XYZ 35.3945, 18.8912, 49.3578 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, 188) }
```


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

```
.border{ border-color:rgb(205, 50, 188) }
```

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, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 50, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 50, 188);  
box-shadow:4px 4px 4px 4px rgb(205, 50,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3945, 18.8912, 49.3578 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, 188) }
```

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

```
.background{ background-color: rgb(205, 50,  
188) }
```

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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