

Converting Colors

XYZ(35.8517, 18.8486, 39.7730)

Have a look what the booklet for
XYZ(35.8517, 18.8486, 39.7730)
contains.

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Color

**XYZ(35.8152, 18.8543,
39.7818)**

Conversions

Conversions Part 1

Format	Color
Hex	D62AAA
RGB	214, 42, 170
RGB Percent	84%, 16%, 67%
CMY	0.1608, 0.8352, 0.3333
CMYK	0.00, 0.80, 0.21, 0.16
HSL	315°, 68%, 50%
HSV	315°, 80%, 84%
XYZ	35.8152, 18.8543, 39.7818
YIQ	108.0200, 61.4240, 76.2720

Conversions

Conversions Part 2

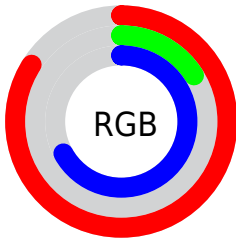
Format	Color
R_{YB}	214, 42, 170
Decimal	14035626
CIE _{Lab}	50.52, 74.44, -28.30
CIE _{LCh}	51, 79.632, 339.186
Yxy	18.8543, 0.3792, 0.1996
Android (android.graphics.Color)	4292225706 (0xFFD62AAA)
YUV	108.0200, 30.5561, 92.9445
Hunter-Lab	43.4215, 71.2437, -23.9250

Details

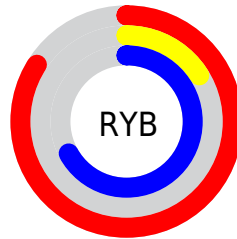
The XYZ color **35.8152, 18.8543, 39.7818** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **26.6822, 49.2580, 16.9080**, and the grayscale version is **14.1661, 14.9039, 16.2303**.

A 20% lighter version of the original color is **60.3300, 37.4761, 76.0054**, and **16.7285, 8.2529, 17.5409** is the 20% darker color. If you saturate the color by 10%, you get **34.7412, 17.5178, 36.9215**, and if you desaturate by 10%, it is **37.3167, 21.0109, 42.8913**.

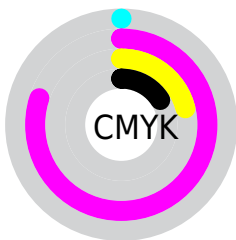
Distribution



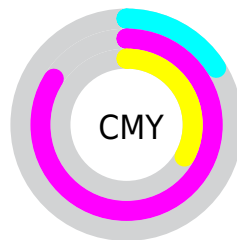
- Red (84%)
- Green (16%)
- Blue (67%)



- Red (84%)
- Yellow (16%)
- Blue (67%)



- Cyan (0%)
- Magenta (80%)
- Yellow (21%)
- Black (16%)





- Cyan (16%)
- Magenta (84%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8152, 18.8543, 39.7818 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 35.8152, 18.8543, 39.7818 by changing the saturation by 10% instead.

 35.8152, 18.8543,
39.7818


 35.8152, 18.8543,
39.7818

319.5974,
245.6432, 360.7277


 24.4610, 11.5650,
27.0560


 68.0725, 41.4878,
76.0646


 15.8025, 6.4482,
17.3824


 89.7062, 57.6007,
100.4586


 9.4745, 3.1195,
10.3427


 115.4972, 77.4238,
129.5791

 5.1115, 1.1944,
5.5182

 145.8107,
101.3412, 163.8446

 2.3483, 0.0572,
2.4904

 181.0121,
129.7375, 203.6737

 0.8192, 0.0000,
0.8351

221.4668,

 0.0000, 0.0000,

162.9970, 249.4849

0.0000

267.5401,
201.5041, 301.6967

■ 35.8152, 18.8543,
39.7818

■ 35.8152, 18.8543,
39.7818

■ 34.7412, 17.5178,
36.9215

■ 37.3167, 21.0109,
42.8913

■ 34.0117, 16.8082,
34.3676

■ 39.3008, 24.0978,
46.2691

■ 41.8158, 28.2113,
49.9329

■ 44.9037, 33.4348,
53.8978

■ 48.6021, 39.8433,
58.1775

■ 52.9453, 47.5050,
62.7846

■ 57.9652, 56.4830,
67.7310

■ 63.6913, 66.8363,
73.0275

■ 70.1514, 78.6199,
78.6847

Harmonies

Analogous

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



29.1077, 18.8543, 74.7147



35.8152, 18.8543, 39.7818



37.0718, 18.8543, 14.4308

Triad

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



35.8152, 18.8543, 39.7818



15.6407, 18.8543, 0.5933



8.6595, 18.8543, 61.1376

Complementary

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



35.8152, 18.8543, 39.7818



26.6822, 49.2580, 16.9080

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.



6.8522, 18.8543, 28.1411



35.8152, 18.8543, 39.7818



10.0446, 18.8543, 2.0218

Square

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



35.8152, 18.8543, 39.7818



23.7670, 18.8543, 0.8852



7.2730, 18.8543, 8.7746



13.1211, 18.8543, 92.0602

Rectangle

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



35.8152, 18.8543, 39.7818



34.3731, 18.8543, 5.9395



7.2730, 18.8543, 8.7746



7.7898, 18.8543, 49.2414

Sweetspot

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



35.8158, 18.8553, 39.7821



76.1180, 66.0069, 90.6561



16.7132, 8.4435, 64.3676



15.8001, 13.2607, 18.8790



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.



35.8158, 18.8553, 39.7821



50.9065, 25.3037, 52.2869



30.2001, 16.6090, 10.2103



12.8110, 12.5759, 14.9450



20.6019, 10.1771, 21.0055



1.2753, 0.6269, 1.4389

Inverse Universe

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



35.8158, 18.8553, 39.7821



50.9065, 25.3037, 52.2869



32.3530, 51.5263, 46.7701



12.8110, 12.5759, 14.9450



20.6019, 10.1771, 21.0055



1.2753, 0.6269, 1.4389

Previews

White Background



This preview shows how the XYZ color 35.8152, 18.8543, 39.7818 looks on a white background.

Color Contrast Check

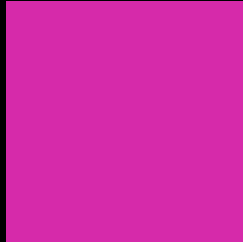
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.8152, 18.8543, 39.7818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

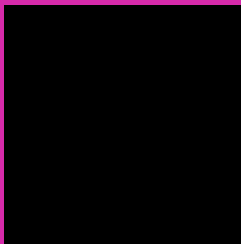
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.8152, 18.8543, 39.7818

Background



This preview shows how black text looks on a background with the XYZ color 35.8152, 18.8543, 39.7818.



This preview shows how white text looks on a background with the XYZ color 35.8152, 18.8543,

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

35.8152, 18.8543, 39.7818

Protanopia

22.4479, 19.3656, 77.4177

Deuteranopia

19.4975, 19.1112, 35.9189



Tritanopia

29.4860, 18.8699, 9.6776

Trichromacy



Original Color

35.8152, 18.8543, 39.7818



Protanomaly

22.1116, 15.5112, 61.5031



Deuteranomaly

22.6547, 16.4584, 37.1047



Tritanomaly

31.1085, 18.4144, 17.5375

Monochromacy



Original Color

35.8152, 18.8543, 39.7818



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

19.2997, 14.1824, 23.1930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8152, 18.8543, 39.7818 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(214, 42, 170)` looks like.

```
.text, #text, p{  
    color:rgb(214, 42, 170)  
}
```

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(214, 42, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 42, 170) }
```

Border

The CSS property to change the border of an element to XYZ 35.8152, 18.8543, 39.7818 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(214, 42, 170) }
```


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

```
.border{ border-color:rgb(214, 42, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 42, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 42, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 42, 170);  
box-shadow:4px 4px 4px 4px rgb(214, 42,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8152, 18.8543, 39.7818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 42, 170) }
```

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

```
.background{ background-color: rgb(214, 42,  
170) }
```

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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