

# Converting Colors

XYZ(35.2777, 18.3712, 59.5170)

Have a look what the booklet for  
XYZ(35.2777, 18.3712, 59.5170)  
contains.

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# Color

**XYZ(35.2851, 18.3675,  
59.4432)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C62ECD
RGB	198, 46, 205
RGB Percent	78%, 18%, 80%
CMY	0.2235, 0.8196, 0.1961
CMYK	0.03, 0.78, 0.00, 0.20
HSL	297°, 63%, 49%
HSV	297°, 78%, 80%
XYZ	35.2851, 18.3675, 59.4432
YIQ	109.5740, 39.5530, 81.6730

# Conversions

## Conversions Part 2

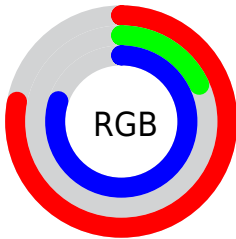
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 46, 205
Decimal	12988109
CIE <sub>Lab</sub>	49.94, 75.13, -49.77
CIE <sub>LCh</sub>	50, 90.124, 326.478
Yxy	18.3675, 0.3120, 0.1624
Android (android.graphics.Color)	4291178189 (0xFFC62ECD)
YUV	109.5740, 47.0450, 77.5496
Hunter-Lab	42.8573, 71.9615, -52.2352

# Details

The XYZ color **35.2851, 18.3675, 59.4432** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted magenta. A complement of this color would be **23.7933, 44.6173, 9.9435**, and the grayscale version is **14.5626, 15.3209, 16.6845**.

A 20% lighter version of the original color is **64.8659, 39.6319, 98.8386**, and **16.3202, 7.7775, 29.4952** is the 20% darker color. If you saturate the color by 10%, you get **34.4299, 17.0086, 59.2262**, and if you desaturate by 10%, it is **36.5252, 20.4928, 59.7883**.

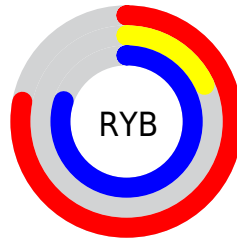
# Distribution



Red (78%)

Green (18%)

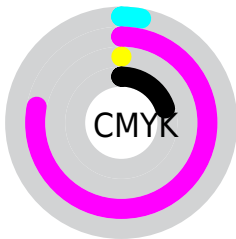
Blue (80%)



Red (78%)

Yellow (18%)

Blue (80%)

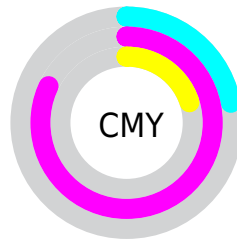


Cyan (3%)

Magenta (78%)

Yellow (0%)

Black (20%)



Cyan (22%)

Magenta (82%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2851, 18.3675, 59.4432 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 35.2851, 18.3675, 59.4432 by changing the saturation by 10% instead.



35.2851, 18.3675,  
59.4432

35.2851, 18.3675,  
59.4432

317.3110,  
242.9344, 440.2899

24.0501, 11.2142,  
42.5476

67.2583, 40.6625,  
105.5570

15.4957, 6.2111,  
29.2016

88.7273, 56.5730,  
135.6123

9.2566, 2.9738,  
18.9865

114.3382, 76.1714,  
170.8912

4.9674, 1.1181,  
11.4838

144.4566, 99.8419,  
211.8124

2.2627, 0.0000,  
6.2750

179.4477,  
127.9691, 258.7943

0.7755, 0.0000,  
2.9415

219.6769,

0.0000, 0.0000,

160.9373, 312.2555

1.0649

265.5095,  
199.1309, 372.6145

■ 0.0000, 0.0000,  
0.0000

■ 35.2851, 18.3675,  
59.4432

■ 35.2851, 18.3675,  
59.4432

■ 34.4299, 17.0086,  
59.2262

■ 36.5252, 20.4928,  
59.7883

■ 33.8899, 16.2786,  
59.1138

■ 38.1960, 23.4781,  
60.2765

■ 33.7782, 16.1403,  
59.0930

■ 40.3394, 27.4065,  
60.9218

■ 42.9917, 32.3505,  
61.7363

■ 46.1856, 38.3756,  
62.7309

■ 49.9510, 45.5417,  
63.9156

■ 54.3158, 53.9043,  
65.2997

■ 59.3059, 63.5155,  
66.8919

■ 64.9458, 74.4241,  
68.7002

# Harmonies

## Analogous

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



25.9582, 18.3675, 99.9262



35.2851, 18.3675, 59.4432



39.8332, 18.3675, 23.0658

# Triad

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



35.2851, 18.3675, 59.4432



18.4981, 18.3675, 0.0000



6.4126, 18.3675, 49.5822

# Complementary

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



35.2851, 18.3675, 59.4432



23.7933, 44.6173, 9.9435

# 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.



5.5746, 18.3675, 17.2170



35.2851, 18.3675, 59.4432



11.0509, 18.3675, 0.3797

# Square

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



35.2851, 18.3675, 59.4432



28.3291, 18.3675, 0.7668



6.9503, 18.3675, 3.5538



9.7986, 18.3675, 91.6269



# Rectangle

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



35.2851, 18.3675, 59.4432



38.7161, 18.3675, 9.3146



6.9503, 18.3675, 3.5538



5.8842, 18.3675, 36.7503

# Sweetspot

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



35.2858, 18.3683, 59.4436



78.1655, 67.6315, 103.5422



13.4637, 7.6232, 58.5197



16.2669, 13.5952, 22.0167



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.



35.2858, 18.3683, 59.4436



55.7668, 26.9812, 96.8764



30.4193, 16.6398, 23.9635



11.6368, 11.3776, 14.1531



21.0499, 10.0592, 36.7884



1.1014, 0.5269, 1.8986



# Inverse Universe

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



26.7970, 15.1909, 4.8887



41.6670, 21.7730, 3.1234



26.2021, 45.5413, 24.4104



11.2320, 11.2215, 11.7564



15.7135, 8.0960, 0.9440



0.8178, 0.4205, 0.0864



# Previews

## White Background



This preview shows how the XYZ color 35.2851, 18.3675, 59.4432 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

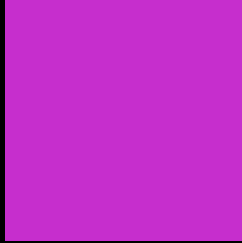
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.2851, 18.3675, 59.4432 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

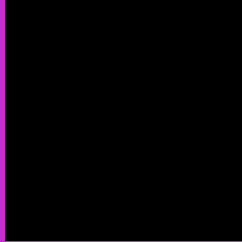
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 35.2851, 18.3675, 59.4432**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.2851, 18.3675, 59.4432.



This preview shows how white text looks on a background with the XYZ color 35.2851, 18.3675,



# 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

35.2851, 18.3675, 59.4432

### Protanopia

22.4599, 18.7931, 88.0316

### Deuteranopia

19.2781, 18.7838, 53.6485



## Tritanopia

25.6455, 18.2853, 13.0042

# Trichromacy



## Original Color

35.2851, 18.3675, 59.4432



## Protanomaly

20.6116, 14.4032, 76.5567



## Deuteranomaly

21.7151, 15.8279, 55.3366



## Tritanomaly

27.9909, 17.4615, 24.8168

# Monochromacy



## Original Color

35.2851, 18.3675, 59.4432



## Achromatopsia

14.8208, 15.5926, 16.9804



## Achromatomaly

19.6744, 14.6115, 28.5714

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.2851, 18.3675, 59.4432 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(198, 46, 205)` looks like.

```
.text, #text, p{  
    color:rgb(198, 46, 205)  
}
```

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(198, 46, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 46, 205) }
```

## Border

The CSS property to change the border of an element to XYZ 35.2851, 18.3675, 59.4432 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(198, 46, 205) }
```



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

```
.border{ border-color:rgb(198, 46, 205) }
```

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

Here you see how a box with a 4 pixel rgb(198, 46, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 46, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 46, 205);  
box-shadow:4px 4px 4px 4px rgb(198, 46,  
205) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.2851, 18.3675, 59.4432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 46, 205) }
```

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

```
.background{ background-color: rgb(198, 46,  
205) }
```

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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