

Converting Colors

XYZ(35.9762, 18.2593, 42.3783)

Have a look what the booklet for
XYZ(35.9762, 18.2593, 42.3783)
contains.

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Color

**XYZ(35.8847, 18.2218,
42.1833)**

Conversions

Conversions Part 1

Format	Color
Hex	D61CAF
RGB	214, 28, 175
RGB Percent	84%, 11%, 69%
CMY	0.1608, 0.8901, 0.3137
CMYK	0.00, 0.87, 0.18, 0.16
HSL	313°, 77%, 47%
HSV	313°, 87%, 84%
XYZ	35.8847, 18.2218, 42.1833
YIQ	100.3720, 63.6690, 85.1490

Conversions

Conversions Part 2

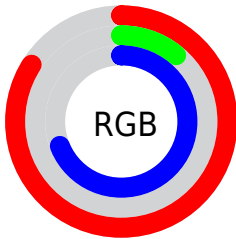
Format	Color
R _Y B	214, 28, 175
Decimal	14032047
CIE Lab	49.76, 77.91, -32.41
CIE LCh	50, 84.385, 337.411
Yxy	18.2218, 0.3727, 0.1892
Android (android.graphics.Color)	4292222127 (0xFFD61CAF)
YUV	100.3720, 36.7916, 99.6518
Hunter-Lab	42.6870, 75.3532, -28.7095

Details

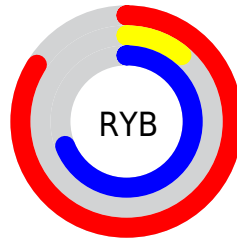
The XYZ color **35.8847, 18.2218, 42.1833** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **25.5398, 48.7461, 13.3758**, and the grayscale version is **12.1080, 12.7385, 13.8723**.

A 20% lighter version of the original color is **60.3175, 36.3369, 79.4359**, and **16.8393, 8.2752, 19.1221** is the 20% darker color. If you saturate the color by 10%, you get **35.1079, 17.3616, 39.7858**, and if you desaturate by 10%, it is **37.0337, 19.8024, 44.7774**.

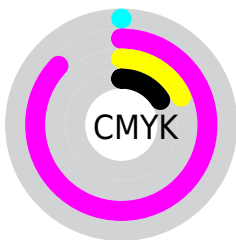
Distribution



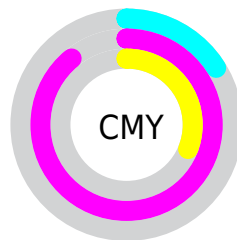
- Red (84%)
- Green (11%)
- Blue (69%)



- Red (84%)
- Yellow (11%)
- Blue (69%)



- Cyan (0%)
- Magenta (87%)
- Yellow (18%)
- Black (16%)





- Cyan (16%)
- Magenta (89%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8847, 18.2218, 42.1833 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 35.8847, 18.2218, 42.1833 by changing the saturation by 10% instead.


 35.8847, 18.2218,
42.1833


 35.8847, 18.2218,
42.1833


319.8963,
242.1183, 371.0643


 24.5149, 11.1093,
28.9182


 68.1791, 40.4149,
79.7501

 15.8428, 6.1404,
18.7739


 89.8344, 56.2643,
104.8888


 9.5031, 2.9307,
11.3319


 115.6488, 75.7949,
134.8225

 5.1305, 1.0956,
6.1735

 145.9878, 99.3910,
169.9697

 2.3596, 0.0000,
2.8804

 181.2167,
127.4369, 210.7489

 0.8249, 0.0000,
1.0339

 221.7009,

 0.0000, 0.0000,

160.3172, 257.5787

0.0000

267.8056,
198.4162, 310.8777

■ 35.8847, 18.2218,
42.1833

■ 35.8847, 18.2218,
42.1833

■ 35.1079, 17.3616,
39.7858

■ 37.0337, 19.8024,
44.7774

■ 34.9050, 17.1655,
39.0714

■ 38.6226, 22.2392,
47.5909

■ 40.7049, 25.6391,
50.6426

■ 43.3262, 30.0928,
53.9481

■ 46.5265, 35.6805,
57.5217

■ 50.3423, 42.4744,
61.3760

■ 54.8068, 50.5409,
65.5228

■ 59.9508, 59.9416,
69.9730

■ 65.8032, 70.7339,
74.7367

Harmonies

Analogous

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



28.5181, 18.2218, 79.9230



35.8847, 18.2218, 42.1833



37.6308, 18.2218, 14.6576

Triad

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



35.8847, 18.2218, 42.1833



15.3998, 18.2218, 0.1482



7.7097, 18.2218, 60.7541

Complementary

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



35.8847, 18.2218, 42.1833



25.5398, 48.7461, 13.3758

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.



6.0635, 18.2218, 26.1203



35.8847, 18.2218, 42.1833



9.5194, 18.2218, 1.3561

Square

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



35.8847, 18.2218, 42.1833



23.9658, 18.2218, 0.5515



6.6040, 18.2218, 7.2258



12.0315, 18.2218, 95.2791

Rectangle

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



35.8847, 18.2218, 42.1833



34.9982, 18.2218, 5.6364



6.6040, 18.2218, 7.2258



6.8975, 18.2218, 48.0188

Sweetspot

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



35.8853, 18.2227, 42.1836



75.2648, 63.8829, 91.6589



14.7475, 6.8175, 64.1574



15.6572, 12.8629, 19.1771



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.



35.8853, 18.2227, 42.1836



51.8447, 25.5019, 57.7738



29.7403, 15.7647, 9.8244



12.8363, 12.5860, 15.0781



21.1367, 10.3910, 23.8219



1.3035, 0.6382, 1.5876

Inverse Universe

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



35.8853, 18.2227, 42.1836



51.8447, 25.5019, 57.7738



30.7154, 50.8163, 40.6303



12.8363, 12.5860, 15.0781



21.1367, 10.3910, 23.8219



1.3035, 0.6382, 1.5876

Previews

White Background



This preview shows how the XYZ color 35.8847, 18.2218, 42.1833 looks on a white background.

Color Contrast Check

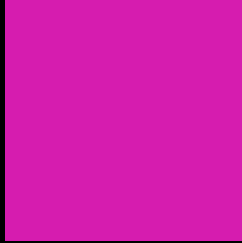
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 35.8847, 18.2218, 42.1833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

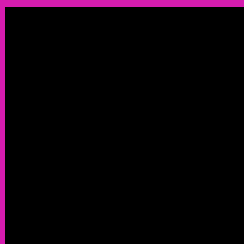
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.8847, 18.2218, 42.1833

Background



This preview shows how black text looks on a background with the XYZ color 35.8847, 18.2218, 42.1833.



This preview shows how white text looks on a background with the XYZ color 35.8847, 18.2218,

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

35.8847, 18.2218, 42.1833

Protanopia

22.6617, 18.9147, 87.2505

Deuteranopia

19.0050, 18.6405, 37.7183



Tritanopia

29.1105, 18.2924, 9.0177

Trichromacy



Original Color

35.8847, 18.2218, 42.1833



Protanomaly

20.1618, 13.5238, 67.8774



Deuteranomaly

21.9934, 15.3439, 38.8483



Tritanomaly

30.6893, 17.5759, 17.3978

Monochromacy



Original Color

35.8847, 18.2218, 42.1833



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

17.2640, 12.0926, 21.5029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8847, 18.2218, 42.1833 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, 28, 175)` looks like.

```
.text, #text, p{  
  color:rgb(214, 28, 175)  
}
```

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, 28, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 28, 175) }
```

Border

The CSS property to change the border of an element to XYZ 35.8847, 18.2218, 42.1833 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, 28, 175) }
```


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

```
.border{ border-color:rgb(214, 28, 175) }
```

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

Here you see how a box with a 4 pixel rgb(214, 28, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 28, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 28, 175);  
box-shadow:4px 4px 4px 4px rgb(214, 28,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8847, 18.2218, 42.1833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 28, 175) }
```

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

```
.background{ background-color: rgb(214, 28,  
175) }
```

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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