

Converting Colors

XYZ(34.3283, 18.5180, 45.4637)

Have a look what the booklet for
XYZ(34.3283, 18.5180, 45.4637)
contains.

XYZ(34.4262, 18.5412, 45.4804)	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(34.4262, 18.5412,
45.4804)**

Conversions

Conversions Part 1

Format	Color
Hex	CC33B5
RGB	204, 51, 181
RGB Percent	80%, 20%, 71%
CMY	0.2000, 0.8000, 0.2902
CMYK	0.00, 0.75, 0.11, 0.20
HSL	309°, 60%, 50%
HSV	309°, 75%, 80%
XYZ	34.4262, 18.5412, 45.4804
YIQ	111.5670, 49.4580, 72.8660

Conversions

Conversions Part 2

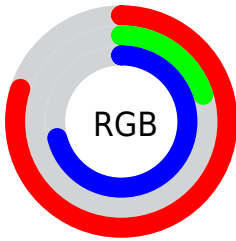
Format	Color
R_{YB}	204, 51, 181
Decimal	13382581
CIE _{Lab}	50.15, 71.30, -35.46
CIE _{LCh}	50, 79.631, 333.558
Yxy	18.5412, 0.3497, 0.1883
Android (android.graphics.Color)	4291572661 (0xFFCC33B5)
YUV	111.5670, 34.2305, 81.0637
Hunter-Lab	43.0595, 67.3572, -32.4818

Details

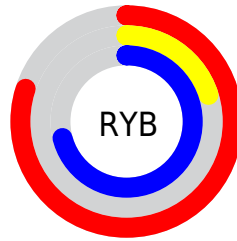
The XYZ color **34.4262, 18.5412, 45.4804** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle muted rose. A complement of this color would be **24.1951, 44.3848, 13.7721**, and the grayscale version is **15.1688, 15.9588, 17.3791**.

A 20% lighter version of the original color is **62.4312, 39.1847, 84.3937**, and **15.7503, 7.6695, 21.0723** is the 20% darker color. If you saturate the color by 10%, you get **33.4112, 17.0088, 43.6065**, and if you desaturate by 10%, it is **35.8402, 20.8596, 47.5217**.

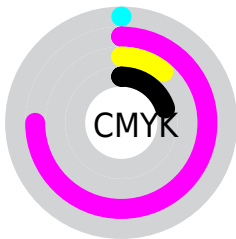
Distribution



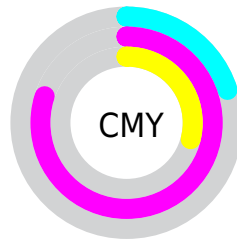
- Red (80%)
- Green (20%)
- Blue (71%)



- Red (80%)
- Yellow (20%)
- Blue (71%)



- Cyan (0%)
- Magenta (75%)
- Yellow (11%)
- Black (20%)





- Cyan (20%)
- Magenta (80%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4262, 18.5412, 45.4804 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 34.4262, 18.5412, 45.4804 by changing the saturation by 10% instead.

 34.4262, 18.5412,
45.4804


 34.4262, 18.5412,
45.4804

313.5809,
243.9041, 384.9324

 23.3856, 11.3392,
31.4903


 65.9358, 40.9574,
84.7669


 15.0008, 6.2955,
20.7109


 87.1356, 56.9404,
110.9004

 8.9063, 3.0256,
12.7237


 112.4524, 76.6192,
141.9187

 4.7367, 1.1451,
7.1100

 142.2518,
100.3782, 178.2405

 2.1268, 0.0162,
3.4515

 176.8989,
128.6018, 220.2842

 0.7037, 0.0000,
1.3296

216.7592,

 0.0000, 0.0000,

161.6744, 268.4684

0.0858

262.1981,
199.9803, 323.2116

■ 0.0000, 0.0000,
0.0000

■ 34.4262, 18.5412,
45.4804

■ 34.4262, 18.5412,
45.4804

■ 33.4112, 17.0088,
43.6065

■ 35.8402, 20.8596,
47.5217

■ 32.7377, 16.1490,
41.8804

■ 37.6967, 24.0523,
49.7448

■ 32.4771, 15.8675,
41.0548

■ 40.0356, 28.1984,
52.1633

■ 42.8918, 33.3678,
54.7890

■ 46.2968, 39.6236,
57.6327

■ 50.2798, 47.0239,
60.7043

■ 54.8677, 55.6226,
64.0130

■ 60.0859, 65.4703,
67.5674

■ 65.9582, 76.6144,
71.3757

Harmonies

Analogous

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



27.1104, 18.5412, 79.9105



34.4262, 18.5412, 45.4804



36.8504, 18.5412, 17.6756

Triad

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



34.4262, 18.5412, 45.4804



16.7222, 18.5412, 0.4881



7.9597, 18.5412, 53.7487

Complementary

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



34.4262, 18.5412, 45.4804



24.1951, 44.3848, 13.7721

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.



6.6118, 18.5412, 22.9283



34.4262, 18.5412, 45.4804



10.6558, 18.5412, 1.4759

Square

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



34.4262, 18.5412, 45.4804



25.0496, 18.5412, 1.0629



7.4323, 18.5412, 6.6056



11.8316, 18.5412, 86.6597

Rectangle

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



34.4262, 18.5412, 45.4804



34.9192, 18.5412, 7.5643



7.4323, 18.5412, 6.6056



7.2571, 18.5412, 42.2461

Sweetspot

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



34.4269, 18.5421, 45.4808



78.3620, 68.7495, 96.7848



14.9041, 8.1822, 57.9212



16.4059, 14.0363, 20.4251



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.



34.4269, 18.5421, 45.4808



54.5827, 27.1705, 70.4236



28.6134, 16.2167, 14.8672



11.6122, 11.3736, 13.7586



20.4687, 9.9981, 25.9846



1.0761, 0.5239, 1.4468

Inverse Universe

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



34.4269, 18.5421, 45.4808



54.5827, 27.1705, 70.4236



28.5004, 46.1069, 36.4434



11.6122, 11.3736, 13.7586



20.4687, 9.9981, 25.9846



1.0761, 0.5239, 1.4468

Previews

White Background



This preview shows how the XYZ color 34.4262, 18.5412, 45.4804 looks on a white background.

Color Contrast Check

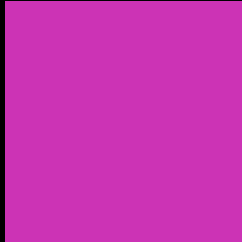
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.4262, 18.5412, 45.4804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

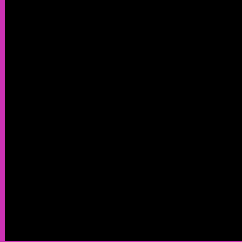
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.4262, 18.5412, 45.4804

Background



This preview shows how black text looks on a background with the XYZ color 34.4262, 18.5412, 45.4804.



This preview shows how white text looks on a background with the XYZ color 34.4262, 18.5412,

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

34.4262, 18.5412, 45.4804

Protanopia

22.6329, 19.1561, 83.3935

Deuteranopia

19.2030, 18.8433, 41.1531



Tritanopia

27.4021, 18.5099, 11.5797

Trichromacy



Original Color

34.4262, 18.5412, 45.4804



Protanomaly

21.7184, 15.4307, 67.4794



Deuteranomaly

22.2218, 16.5038, 42.5718



Tritanomaly

29.0548, 17.9174, 20.3394

Monochromacy



Original Color

34.4262, 18.5412, 45.4804



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

19.8486, 15.1382, 25.5427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4262, 18.5412, 45.4804 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(204, 51, 181)` looks like.

```
.text, #text, p{  
    color:rgb(204, 51, 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(204, 51, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 51, 181) }
```

Border

The CSS property to change the border of an element to XYZ 34.4262, 18.5412, 45.4804 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(204, 51, 181) }
```


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

```
.border{ border-color:rgb(204, 51, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 51, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 51, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 51, 181);  
box-shadow:4px 4px 4px 4px rgb(204, 51,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4262, 18.5412, 45.4804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 51, 181) }
```

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

```
.background{ background-color: rgb(204, 51,  
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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