

Converting Colors

XYZ(33.6151, 17.4319, 38.2277)

Have a look what the booklet for
XYZ(33.6151, 17.4319, 38.2277)
contains.

XYZ(33.5885, 17.4020, 38.1478)	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(33.5885, 17.4020,
38.1478)**

Conversions

Conversions Part 1

Format	Color
Hex	D023A7
RGB	208, 35, 167
RGB Percent	82%, 14%, 65%
CMY	0.1843, 0.8627, 0.3451
CMYK	0.00, 0.83, 0.20, 0.18
HSL	314°, 71%, 48%
HSV	314°, 83%, 82%
XYZ	33.5885, 17.4020, 38.1478
YIQ	101.7750, 60.7360, 77.7280

Conversions

Conversions Part 2

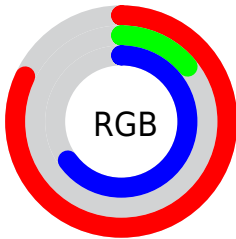
Format	Color
RYB	208, 35, 167
Decimal	13640615
CIELab	48.76, 74.35, -29.33
CIELCh	49, 79.927, 338.469
Yxy	17.4020, 0.3768, 0.1952
Android (android.graphics.Color)	4291830695 (0xFFD023A7)
YUV	101.7750, 32.1559, 93.1593
Hunter-Lab	41.7157, 70.7215, -25.0180

Details

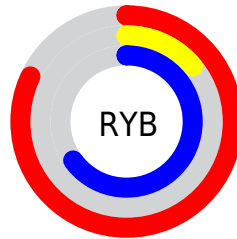
The XYZ color **33.5885, 17.4020, 38.1478** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **24.5546, 45.9916, 14.4232**, and the grayscale version is **12.4804, 13.1303, 14.2989**.

A 20% lighter version of the original color is **59.2751, 36.2344, 72.9770**, and **15.4889, 7.6274, 16.8755** is the 20% darker color. If you saturate the color by 10%, you get **32.7003, 16.3410, 35.6459**, and if you desaturate by 10%, it is **34.8574, 19.1962, 40.8626**.

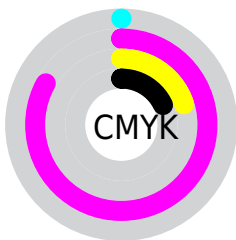
Distribution



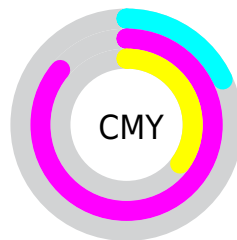
- Red (82%)
- Green (14%)
- Blue (65%)



- Red (82%)
- Yellow (14%)
- Blue (65%)



- Cyan (0%)
- Magenta (83%)
- Yellow (20%)
- Black (18%)




- Cyan (18%)
- Magenta (86%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5885, 17.4020, 38.1478 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 33.5885, 17.4020, 38.1478 by changing the saturation by 10% instead.

 33.5885, 17.4020,
38.1478


 33.5885, 17.4020,
38.1478

309.9116,
237.4785, 353.5707

 22.7390, 10.5215,
25.7947


 64.6418, 39.0157,
73.5406

 14.5206, 5.7461,
16.4457


 85.5763, 54.5177,
97.4173


 8.5677, 2.6913,
9.6823


 110.6033, 73.6623,
125.9723

 4.5152, 0.9728,
5.0860

 140.0880, 96.8339,
159.6242

 1.9975, 0.0000,
2.2382

 174.3958,
124.4169, 198.7914

 0.6326, 0.0000,
0.6963

 213.8921,

 0.0000, 0.0000,

156.7958, 243.8926

0.0000

258.9423,
194.3548, 295.3462

■ 33.5885, 17.4020,
38.1478

■ 33.5885, 17.4020,
38.1478

■ 32.7003, 16.3410,
35.6459

■ 34.8574, 19.1962,
40.8626

■ 32.2447, 15.9028,
34.0353

■ 36.5614, 21.8327,
43.8090

■ 38.7475, 25.4049,
47.0037

■ 41.4560, 29.9933,
50.4610

■ 44.7229, 35.6697,
54.1938

■ 48.5812, 42.4993,
58.2139

■ 53.0609, 50.5422,
62.5322

■ 58.1901, 59.8545,
67.1590

■ 63.9951, 70.4883,
72.1038

Harmonies

Analogous

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



27.0460, 17.4020, 71.9948



33.5885, 17.4020, 38.1478



34.9479, 17.4020, 13.5652

Triad

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



33.5885, 17.4020, 38.1478



14.5348, 17.4020, 0.3508



7.7237, 17.4020, 57.2040

Complementary

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



33.5885, 17.4020, 38.1478



24.5546, 45.9916, 14.4232

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.



6.0916, 17.4020, 25.5938



33.5885, 17.4020, 38.1478



9.1826, 17.4020, 1.6092

Square

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



33.5885, 17.4020, 38.1478



22.3215, 17.4020, 0.6799



6.5316, 17.4020, 7.5941



11.8545, 17.4020, 87.5933

Rectangle

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



33.5885, 17.4020, 38.1478



32.4368, 17.4020, 5.4176



6.5316, 17.4020, 7.5941



6.9305, 17.4020, 45.7139

Sweetspot

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



33.5891, 17.4029, 38.1481



75.6373, 64.9155, 90.8961



14.9180, 7.2681, 60.2914



15.7162, 13.0553, 18.9667



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.



33.5891, 17.4029, 38.1481



51.0408, 25.1803, 53.5403



28.1046, 15.2091, 9.2673



12.1860, 11.9591, 14.2552



20.1358, 9.9271, 21.4189



1.1555, 0.5669, 1.3538

Inverse Universe

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



33.5891, 17.4029, 38.1481



51.0408, 25.1803, 53.5403



29.7597, 48.0736, 41.8329



12.1860, 11.9591, 14.2552



20.1358, 9.9271, 21.4189



1.1555, 0.5669, 1.3538

Previews

White Background



This preview shows how the XYZ color 33.5885, 17.4020, 38.1478 looks on a white background.

Color Contrast Check

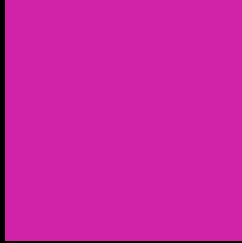
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5885, 17.4020, 38.1478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

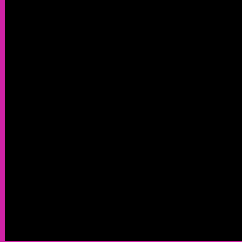
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.5885, 17.4020, 38.1478

Background



This preview shows how black text looks on a background with the XYZ color 33.5885, 17.4020, 38.1478.



This preview shows how white text looks on a background with the XYZ color 33.5885, 17.4020,

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

33.5885, 17.4020, 38.1478

Protanopia

21.0354, 17.9925, 75.7630

Deuteranopia

18.0422, 17.6990, 34.3636



Tritanopia

27.4413, 17.4359, 8.7566

Trichromacy



Original Color

33.5885, 17.4020, 38.1478



Protanomaly

20.2148, 13.9565, 60.0210



Deuteranomaly

20.9161, 14.9796, 35.5072



Tritanomaly

28.9529, 16.9286, 16.2096

Monochromacy



Original Color

33.5885, 17.4020, 38.1478



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

17.4748, 12.6179, 21.2531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5885, 17.4020, 38.1478 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(208, 35, 167)` looks like.

```
.text, #text, p{  
    color:rgb(208, 35, 167)  
}
```

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(208, 35, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 35, 167) }
```

Border

The CSS property to change the border of an element to XYZ 33.5885, 17.4020, 38.1478 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(208, 35, 167) }
```


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

```
.border{ border-color:rgb(208, 35, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 35, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 35, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 35, 167);  
box-shadow:4px 4px 4px 4px rgb(208, 35,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5885, 17.4020, 38.1478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 35, 167) }
```

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

```
.background{ background-color: rgb(208, 35,  
167) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor