

Converting Colors

XYZ(33.6446, 16.4159, 43.5258)

Have a look what the booklet for
XYZ(33.6446, 16.4159, 43.5258)
contains.

XYZ(33.7680, 16.4798, 43.5206)	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(33.7680, 16.4798,
43.5206)**

Conversions

Conversions Part 1

Format	Color
Hex	CF00B2
RGB	207, 0, 178
RGB Percent	81%, 0%, 70%
CMY	0.1882, 0.9999, 0.3020
CMYK	0.00, 1.00, 0.14, 0.19
HSL	308°, 100%, 41%
HSV	308°, 100%, 81%
XYZ	33.7680, 16.4798, 43.5206
YIQ	82.1850, 66.2340, 99.2420

Conversions

Conversions Part 2

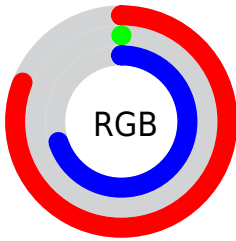
Format	Color
RYB	207, 0, 178
Decimal	13566130
CIELab	47.60, 80.00, -37.67
CIElCh	48, 88.425, 334.783
Yxy	16.4798, 0.3601, 0.1758
Android (android.graphics.Color)	4291756210 (0xFFCF00B2)
YUV	82.1850, 47.2368, 109.4628
Hunter-Lab	40.5953, 77.4381, -35.1457

Details

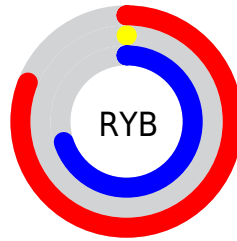
The XYZ color **33.7680, 16.4798, 43.5206** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **22.5357, 44.7151, 8.6079**, and the grayscale version is **7.9603, 8.3748, 9.1202**.

A 20% lighter version of the original color is **59.9184, 34.8548, 81.4115**, and **15.9144, 7.7766, 20.0643** is the 20% darker color. If you saturate the color by 10%, you get **33.7677, 16.4796, 43.5181**, and if you desaturate by 10%, it is **34.3260, 17.1243, 45.1589**.

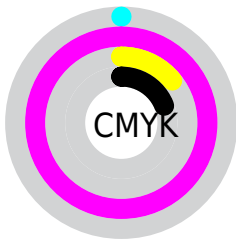
Distribution



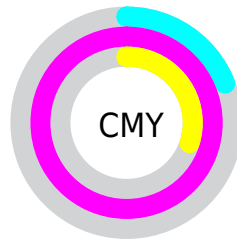
- Red (81%)
- Green (0%)
- Blue (70%)



- Red (81%)
- Yellow (0%)
- Blue (70%)



- Cyan (0%)
- Magenta (100%)
- Yellow (14%)
- Black (19%)





- Cyan (19%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7680, 16.4798, 43.5206 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 33.7680, 16.4798, 43.5206 by changing the saturation by 10% instead.


 33.7680, 16.4798,
43.5206


 33.7680, 16.4798,
43.5206

310.7005,
232.1565, 376.7323

 22.8775, 9.8643,
29.9594


 64.9194, 37.4292,
81.7906

 14.6233, 5.3091,
19.5560


 85.9110, 52.5319,
107.3365


 8.6400, 2.4297,
11.8918


 111.0003, 71.2324,
137.7144

 4.5623, 0.8411,
6.5484

 140.5528, 93.9151,
173.3428

 2.0249, 0.0000,
3.1072

 174.9336,
120.9645, 214.6403

 0.6479, 0.0000,
1.1496

 214.5083,

 0.0000, 0.0000,

152.7650, 262.0253

0.0000

259.6421,
189.7008, 315.9165

■ 33.7680, 16.4798,
43.5206

■ 33.7680, 16.4798,
43.5206

■ 33.7677, 16.4796,
43.5181

■ 34.3260, 17.1243,
45.1589

■ 35.1713, 18.3341,
46.9234

■ 36.4001, 20.3007,
48.8465

■ 38.0639, 23.1273,
50.9455

■ 40.2064, 26.9012,
53.2352

■ 42.8657, 31.6986,
55.7285

■ 46.0762, 37.5882,
58.4369

■ 49.8693, 44.6327,
61.3712

■ 54.2739, 52.8900,
64.5411

Harmonies

Analogous

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



25.9994, 16.4798, 82.4256



33.7680, 16.4798, 43.5206



36.1442, 16.4798, 14.5618

Triad

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



33.7680, 16.4798, 43.5206



14.4333, 16.4798, 0.0000



6.2212, 16.4798, 55.8481

Complementary

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



33.7680, 16.4798, 43.5206



22.5357, 44.7151, 8.6079

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.



4.8938, 16.4798, 21.8124



33.7680, 16.4798, 43.5206



8.5101, 16.4798, 0.6600

Square

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



33.7680, 16.4798, 43.5206



23.0496, 16.4798, 0.1445



5.5629, 16.4798, 5.0754



10.0525, 16.4798, 92.8385

Rectangle

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



33.7680, 16.4798, 43.5206



33.8490, 16.4798, 5.2048



5.5629, 16.4798, 5.0754



5.5387, 16.4798, 42.9853

Sweetspot

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



33.7686, 16.4806, 43.5209



73.6319, 59.8488, 93.4827



11.7318, 4.7475, 59.3299



15.2697, 11.9071, 19.6047



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.



33.7686, 16.4806, 43.5209



54.0616, 26.3886, 69.4477



27.0345, 13.7870, 8.0598



12.2366, 11.9794, 14.5217



21.3015, 10.3934, 27.5574



1.2111, 0.5892, 1.6465

Inverse Universe

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



33.7686, 16.4806, 43.5209



54.0616, 26.3886, 69.4477



26.4179, 46.2680, 29.0514



12.2366, 11.9794, 14.5217



21.3015, 10.3934, 27.5574



1.2111, 0.5892, 1.6465

Previews

White Background



This preview shows how the XYZ color 33.7680, 16.4798, 43.5206 looks on a white background.

Color Contrast Check

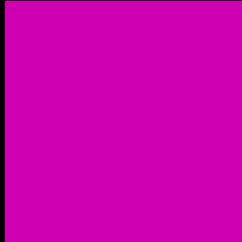
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7680, 16.4798, 43.5206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

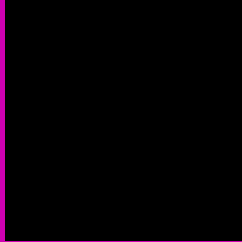
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.7680, 16.4798, 43.5206

Background



This preview shows how black text looks on a background with the XYZ color 33.7680, 16.4798, 43.5206.



This preview shows how white text looks on a background with the XYZ color 33.7680, 16.4798,

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

33.7680, 16.4798, 43.5206

Protanopia

20.6798, 17.3670, 80.8595

Deuteranopia

17.6085, 17.2043, 38.9519



Tritanopia

26.7149, 16.8805, 8.3288

Trichromacy



Original Color

33.7680, 16.4798, 43.5206



Protanomaly

17.2925, 10.8574, 64.8026



Deuteranomaly

19.7249, 12.8563, 39.9700



Tritanomaly

27.9504, 15.4641, 16.8410

Monochromacy



Original Color

33.7680, 16.4798, 43.5206



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.1913, 8.2524, 17.7272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7680, 16.4798, 43.5206 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(207, 0, 178)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 178)  
}
```

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(207, 0, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 178) }
```

Border

The CSS property to change the border of an element to XYZ 33.7680, 16.4798, 43.5206 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(207, 0, 178) }
```


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

```
.border{ border-color:rgb(207, 0, 178) }
```

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

Here you see how a box with a 4 pixel rgb(207, 0, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 178);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7680, 16.4798, 43.5206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 178) }
```

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

```
.background{ background-color: rgb(207, 0,  
178) }
```

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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