

Converting Colors

XYZ(33.4906, 16.5701, 38.4263)

Have a look what the booklet for
XYZ(33.4906, 16.5701, 38.4263)
contains.

XYZ(33.4492, 16.5561, 38.4785)	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(33.4492, 16.5561,
38.4785)**

Conversions

Conversions Part 1

Format	Color
Hex	D108A8
RGB	209, 8, 168
RGB Percent	82%, 3%, 66%
CMY	0.1804, 0.9685, 0.3412
CMYK	0.00, 0.96, 0.20, 0.18
HSL	312°, 93%, 43%
HSV	312°, 96%, 82%
XYZ	33.4492, 16.5561, 38.4785
YIQ	86.3390, 68.4360, 92.3720

Conversions

Conversions Part 2

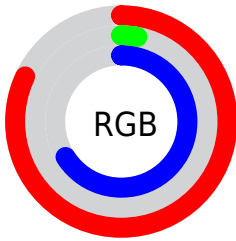
Format	Color
R_{YB}	209, 8, 168
Decimal	13699240
CIE _{Lab}	47.70, 78.46, -31.58
CIE _{LCh}	48, 84.575, 338.075
Yxy	16.5561, 0.3780, 0.1871
Android (android.graphics.Color)	4291889320 (0xFFD108A8)
YUV	86.3390, 40.2589, 107.5737
Hunter-Lab	40.6892, 75.5327, -27.5863

Details

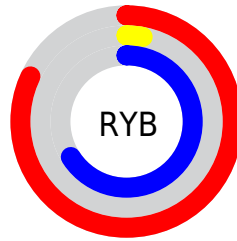
The XYZ color **33.4492, 16.5561, 38.4785** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **23.4563, 45.8751, 10.5280**, and the grayscale version is **8.8284, 9.2881, 10.1148**.

A 20% lighter version of the original color is **58.6972, 34.6472, 74.1149**, and **15.6722, 7.7218, 16.8841** is the 20% darker color. If you saturate the color by 10%, you get **33.2108, 16.3218, 37.6504**, and if you desaturate by 10%, it is **34.2042, 17.4196, 40.7225**.

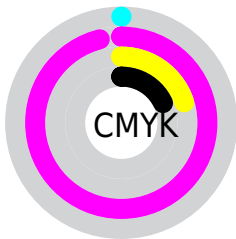
Distribution



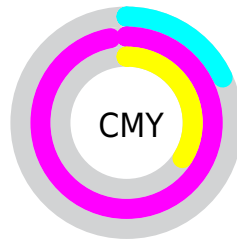
- Red (82%)
- Green (3%)
- Blue (66%)



- Red (82%)
- Yellow (3%)
- Blue (66%)



- Cyan (0%)
- Magenta (96%)
- Yellow (20%)
- Black (18%)





- Cyan (18%)
- Magenta (97%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4492, 16.5561, 38.4785 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 33.4492, 16.5561, 38.4785 by changing the saturation by 10% instead.

 33.4492, 16.5561,
38.4785


 33.4492, 16.5561,
38.4785


309.2983,
232.6012, 355.0277

 22.6317, 9.9185,
26.0496


 64.4262, 37.5610,
74.0525


 14.4410, 5.3450,
16.6346


 85.3164, 52.6970,
98.0347


 8.5117, 2.4511,
9.8151


 110.2948, 71.4347,
126.7050

 4.4786, 0.8520,
5.1726

 139.7269, 94.1584,
160.4820

 1.9763, 0.0000,
2.2884

 173.9779,
121.2525, 199.7842

 0.6206, 0.0000,
0.7247

 213.4132,

 0.0000, 0.0000,

153.1014, 245.0302

0.0000

258.3983,
190.0895, 296.6385

■ 33.4492, 16.5561,
38.4785

■ 33.4492, 16.5561,
38.4785

■ 33.2108, 16.3218,
37.6504

■ 34.2042, 17.4196,
40.7225

■ 35.3170, 18.9780,
43.1506

■ 36.8502, 21.3558,
45.7842

■ 38.8531, 24.6516,
48.6405

■ 41.3681, 28.9501,
51.7340

■ 44.4327, 34.3261,
55.0780

■ 48.0811, 40.8474,
58.6843

■ 52.3442, 48.5763,
62.5639

■ 57.2513, 57.5706,
66.7269

Harmonies

Analogous

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



26.5159, 16.5561, 74.7055



33.4492, 16.5561, 38.4785



34.9722, 16.5561, 12.7865

Triad

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



33.4492, 16.5561, 38.4785



13.7804, 16.5561, 0.0000



6.8399, 16.5561, 57.8406

Complementary

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



33.4492, 16.5561, 38.4785



23.4563, 45.8751, 10.5280

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.



5.2827, 16.5561, 24.5329



33.4492, 16.5561, 38.4785



8.3637, 16.5561, 1.1005

Square

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



33.4492, 16.5561, 38.4785



21.8146, 16.5561, 0.2640



5.7334, 16.5561, 6.5188



10.9067, 16.5561, 90.8390

Rectangle

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



33.4492, 16.5561, 38.4785



32.3709, 16.5561, 4.6717



5.7334, 16.5561, 6.5188



6.0764, 16.5561, 45.5902

Sweetspot

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



33.4498, 16.5570, 38.4788



73.4893, 60.6142, 90.1968



12.8256, 5.4118, 60.6906



15.2044, 12.0354, 18.7848



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.



33.4498, 16.5570, 38.4788



52.0167, 25.5707, 58.6791



27.4352, 14.1511, 6.8063



12.2031, 11.9660, 14.3456



20.5130, 10.0780, 23.4053



1.1737, 0.5742, 1.4496

Inverse Universe

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



33.4498, 16.5570, 38.4788



52.0167, 25.5707, 58.6791



28.3029, 47.8137, 36.0501



12.2031, 11.9660, 14.3456



20.5130, 10.0780, 23.4053



1.1737, 0.5742, 1.4496

Previews

White Background



This preview shows how the XYZ color 33.4492, 16.5561, 38.4785 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 33.4492, 16.5561, 38.4785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

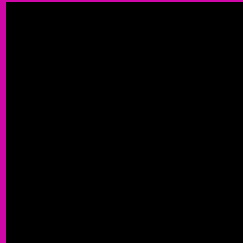
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 33.4492, 16.5561, 38.4785

Background



This preview shows how black text looks on a background with the XYZ color 33.4492, 16.5561, 38.4785.



This preview shows how white text looks on a background with the XYZ color 33.4492, 16.5561,

38.4785.

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

33.4492, 16.5561, 38.4785

Protanopia

20.6798, 17.3670, 80.8595

Deuteranopia

17.3578, 17.0113, 34.2669



Tritanopia

27.1411, 16.7561, 7.5981

Trichromacy



Original Color

33.4492, 16.5561, 38.4785



Protanomaly

17.1871, 11.1372, 62.8719



Deuteranomaly

19.7643, 13.1808, 35.2207



Tritanomaly

28.4417, 15.7547, 15.1776

Monochromacy



Original Color

33.4492, 16.5561, 38.4785



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.0255, 9.1124, 17.5426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4492, 16.5561, 38.4785 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(209, 8, 168)` looks like.

```
.text, #text, p{  
    color:rgb(209, 8, 168)  
}
```

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(209, 8, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 8, 168) }
```

Border

The CSS property to change the border of an element to XYZ 33.4492, 16.5561, 38.4785 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(209, 8, 168) }
```


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

```
.border{ border-color:rgb(209, 8, 168) }
```

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

Here you see how a box with a 4 pixel rgb(209, 8, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 8, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 8, 168);  
box-shadow:4px 4px 4px 4px rgb(209, 8,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4492, 16.5561, 38.4785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 8, 168) }
```

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

```
.background{ background-color: rgb(209, 8,  
168) }
```

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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