

Converting Colors

XYZ(31.1635, 13.4656, 48.3123)

Have a look what the booklet for
XYZ(31.1635, 13.4656, 48.3123)
contains.

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Color

**XYZ(32.3658, 15.6366,
48.8893)**

Conversions

Conversions Part 1

Format	Color
Hex	C600BC
RGB	198, 0, 188
RGB Percent	78%, 0%, 74%
CMY	0.2235, 0.9999, 0.2627
CMYK	0.00, 1.00, 0.05, 0.22
HSL	303°, 100%, 39%
HSV	303°, 100%, 78%
XYZ	32.3658, 15.6366, 48.8893
YIQ	80.6340, 57.6600, 100.4440

Conversions

Conversions Part 2

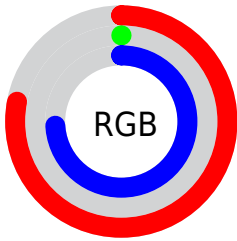
Format	Color
R_{YB}	198, 0, 188
Decimal	12976316
CIE _{Lab}	46.49, 79.78, -45.40
CIE _{LCh}	46, 91.798, 330.358
Yxy	15.6366, 0.3340, 0.1614
Android (android.graphics.Color)	4291166396 (0xFFC600BC)
YUV	80.6340, 52.9314, 102.9300
Hunter-Lab	39.5431, 76.9006, -45.6232

Details

The XYZ color **32.3658, 15.6366, 48.8893** 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 **20.2496, 40.4108, 7.0208**, and the grayscale version is **7.6436, 8.0417, 8.7574**.

A 20% lighter version of the original color is **61.4625, 35.3347, 89.9671**, and **14.9505, 7.2102, 23.1580** is the 20% darker color. If you saturate the color by 10%, you get **32.3660, 15.6367, 48.8887**, and if you desaturate by 10%, it is **32.7215, 16.1743, 49.5418**.

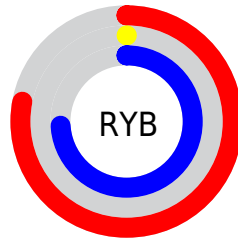
Distribution



Red (78%)

Green (0%)

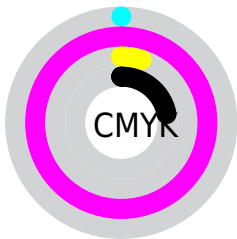
Blue (74%)



Red (78%)

Yellow (0%)

Blue (74%)

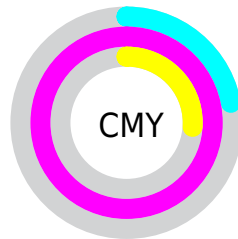


Cyan (0%)

Magenta (100%)

Yellow (5%)

Black (22%)



Cyan (22%)


Magenta (100%)


Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3658, 15.6366, 48.8893 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 32.3658, 15.6366, 48.8893 by changing the saturation by 10% instead.

 32.3658, 15.6366,
48.8893


 32.3658, 15.6366,
48.8893


304.4980,
227.1877, 398.9163


 21.7980, 9.2674,
34.1667


 62.7454, 35.9662,
89.9063


 13.8243, 4.9160,
22.7433


 83.2879, 50.6953,
117.0378


 8.0794, 2.1981,
14.2006


 107.8861, 68.9798,
149.1426

 4.1981, 0.7189,
8.1199

 136.9051, 91.2042,
186.6394

 1.8148, 0.0000,
4.0829

 170.7105,
117.7528, 229.9466

 0.5266, 0.0000,
1.6709

 209.6675,

 0.0000, 0.0000,

149.0100, 279.4828

0.3407

254.1416,
185.3601, 335.6665

■ 0.0000, 0.0000,
0.0000

■ 32.3658, 15.6366,
48.8893

■ 32.3658, 15.6366,
48.8893

■ 32.3660, 15.6367,
48.8887

■ 32.7215, 16.1743,
49.5418

■ 33.3296, 17.2162,
50.2821

■ 34.2791, 18.9396,
51.1398

■ 35.6160, 21.4366,
52.1304

■ 37.3792, 24.7851,
53.2668

■ 39.6031, 29.0537,
54.5605

■ 42.3183, 34.3037,
56.0217

■ 45.5530, 40.5914,
57.6598

■ 49.3330, 47.9688,
59.4834

Harmonies

Analogous

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



23.9401, 15.6366, 88.9425



32.3658, 15.6366, 48.8893



35.8223, 15.6366, 16.7548

Triad

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



32.3658, 15.6366, 48.8893



14.7673, 15.6366, 0.0000



5.2286, 15.6366, 49.8480

Complementary

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



32.3658, 15.6366, 48.8893



20.2496, 40.4108, 7.0208

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.



4.2577, 15.6366, 17.2993



32.3658, 15.6366, 48.8893



8.4295, 15.6366, 0.0665

Square

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



32.3658, 15.6366, 48.8893



23.7146, 15.6366, 0.0264



5.1814, 15.6366, 3.2986



8.5428, 15.6366, 89.7646

Rectangle

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



32.3658, 15.6366, 48.8893



34.1435, 15.6366, 5.9306



5.1814, 15.6366, 3.2986



4.6835, 15.6366, 37.0946

Sweetspot

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



32.3664, 15.6374, 48.8896



74.6940, 60.2737, 99.0761



10.3177, 4.1419, 53.6824



15.5275, 12.0103, 20.9627



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.



32.3664, 15.6374, 48.8896



57.2849, 27.6779, 86.4210



25.0973, 12.7297, 10.6109



11.0591, 10.8070, 13.2943



21.0579, 10.1727, 31.8446



1.0044, 0.4846, 1.5462

Inverse Universe

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



32.3664, 15.6374, 48.8896



57.2849, 27.6779, 86.4210



22.9503, 41.4911, 21.2423



11.0591, 10.8070, 13.2943



21.0579, 10.1727, 31.8446



1.0044, 0.4846, 1.5462

Previews

White Background



This preview shows how the XYZ color 32.3658, 15.6366, 48.8893 looks on a white background.

Color Contrast Check

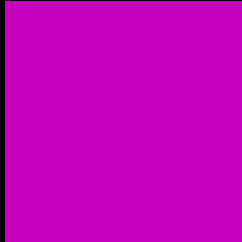
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.3658, 15.6366, 48.8893 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 32.3658, 15.6366, 48.8893

Background



This preview shows how black text looks on a background with the XYZ color 32.3658, 15.6366, 48.8893.



This preview shows how white text looks on a background with the XYZ color 32.3658, 15.6366,

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

32.3658, 15.6366, 48.8893

Protanopia

19.5054, 16.3823, 76.2628

Deuteranopia

16.7906, 16.3404, 43.8640



Tritanopia

24.3536, 16.0269, 9.2071

Trichromacy



Original Color

32.3658, 15.6366, 48.8893



Protanomaly

16.9382, 10.4890, 64.7502



Deuteranomaly

18.4789, 11.9076, 45.0405



Tritanomaly

25.8321, 14.4413, 18.8787

Monochromacy



Original Color

32.3658, 15.6366, 48.8893



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

12.9303, 8.0971, 18.6507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3658, 15.6366, 48.8893 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(198, 0, 188)` looks like.

```
.text, #text, p{  
    color:rgb(198, 0, 188)  
}
```

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(198, 0, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 0, 188) }
```

Border

The CSS property to change the border of an element to XYZ 32.3658, 15.6366, 48.8893 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(198, 0, 188) }
```


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

```
.border{ border-color:rgb(198, 0, 188) }
```

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

Here you see how a box with a 4 pixel rgb(198, 0, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 0, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 0, 188);  
box-shadow:4px 4px 4px 4px rgb(198, 0,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3658, 15.6366, 48.8893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 0, 188) }
```

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

```
.background{ background-color: rgb(198, 0,  
188) }
```

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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