

Converting Colors

XYZ(30.5295, 14.7011, 48.3002)

Have a look what the booklet for
XYZ(30.5295, 14.7011, 48.3002)
contains.

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Color

**XYZ(30.4555, 14.6642,
48.2390)**

Conversions

Conversions Part 1

Format	Color
Hex	BF00BB
RGB	191, 0, 187
RGB Percent	75%, 0%, 73%
CMY	0.2510, 0.9999, 0.2667
CMYK	0.00, 1.00, 0.02, 0.25
HSL	301°, 100%, 37%
HSV	301°, 100%, 75%
XYZ	30.4555, 14.6642, 48.2390
YIQ	78.4270, 53.8090, 98.6490

Conversions

Conversions Part 2

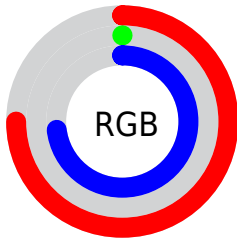
Format	Color
RYB	191, 0, 187
Decimal	12517563
CIELab	45.17, 78.48, -47.00
CIElCh	45, 91.477, 329.083
Yxy	14.6642, 0.3262, 0.1571
Android (android.graphics.Color)	4290707643 (0xFFBF00BB)
YUV	78.4270, 53.5265, 98.7265
Hunter-Lab	38.2939, 74.9486, -47.8822

Details

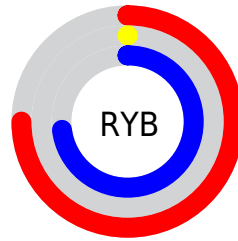
The XYZ color **30.4555, 14.6642, 48.2390** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **18.6534, 37.2711, 6.3265**, and the grayscale version is **7.2195, 7.5955, 8.2715**.

A 20% lighter version of the original color is **59.6852, 34.1856, 89.0407**, and **13.9065, 6.6800, 22.7467** is the 20% darker color. If you saturate the color by 10%, you get **30.4558, 14.6644, 48.2389**, and if you desaturate by 10%, it is **30.7337, 15.1515, 48.5435**.

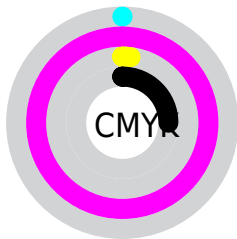
Distribution



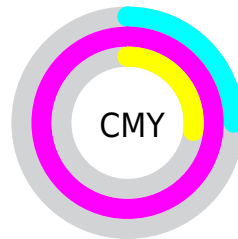
- Red (75%)
- Green (0%)
- Blue (73%)



- Red (75%)
- Yellow (0%)
- Blue (73%)



- Cyan (0%)
- Magenta (100%)
- Yellow (2%)
- Black (25%)




- Cyan (25%)
- Magenta (100%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4555, 14.6642, 48.2390 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 30.4555, 14.6642, 48.2390 by changing the saturation by 10% instead.

 30.4555, 14.6642,
48.2390


 30.4555, 14.6642,
48.2390


295.8938,
221.3246, 396.2747

 20.3344, 8.5841,
33.6549


 59.7635, 34.2630,
88.9294

 12.7480, 4.4709,
22.3534


 79.6810, 48.5504,
115.8727

 7.3311, 1.9403,
13.9160


 103.5948, 66.3424,
147.7729

 3.7182, 0.5724,
7.9242

 131.8701, 88.0234,
185.0484

 1.5440, 0.0000,
3.9594

 164.8723,
113.9777, 228.1178

 0.3554, 0.0000,
1.6031

 202.9667,

 0.0000, 0.0000,

144.5897, 277.3996

0.2930

246.5188,
180.2439, 333.3124

■ 0.0000, 0.0000,
0.0000

■ 30.4555, 14.6642,
48.2390

■ 30.4555, 14.6642,
48.2390

■ 30.4558, 14.6644,
48.2389

■ 30.7337, 15.1515,
48.5435

■ 31.2421, 16.0993,
48.9252

■ 32.0641, 17.6743,
49.4120

■ 33.2419, 19.9607,
50.0180

■ 34.8111, 23.0297,
50.7551

■ 36.8030, 26.9439,
51.6337

■ 39.2457, 31.7594,
52.6631

■ 42.1649, 37.5279,
53.8520

■ 45.5844, 44.2967,
55.2082

Harmonies

Analogous

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



22.2454, 14.6642, 86.7500



30.4555, 14.6642, 48.2390



34.0565, 14.6642, 16.6408

Triad

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



30.4555, 14.6642, 48.2390



14.1713, 14.6642, 0.0000



4.7155, 14.6642, 45.8726

Complementary

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



30.4555, 14.6642, 48.2390



18.6534, 37.2711, 6.3265

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.



3.8828, 14.6642, 15.3113



30.4555, 14.6642, 48.2390



8.0087, 14.6642, 0.0000

Square

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



30.4555, 14.6642, 48.2390



22.7990, 14.6642, 0.0000



4.8291, 14.6642, 2.7202



7.7340, 14.6642, 84.7119

Rectangle

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



30.4555, 14.6642, 48.2390



32.6339, 14.6642, 5.8713



4.8291, 14.6642, 2.7202



4.2320, 14.6642, 33.7661

Sweetspot

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



30.4561, 14.6649, 48.2393



70.0559, 56.4219, 94.2224



9.4445, 3.7828, 49.5233



14.9550, 11.5443, 20.5114



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.4561, 14.6649, 48.2393



54.5336, 26.2588, 86.3311



23.4326, 11.8555, 11.2541



9.9211, 9.6927, 11.9735



20.0188, 9.6387, 31.7224



0.7869, 0.3787, 1.2572

Inverse Universe

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



30.4561, 14.6649, 48.2393



54.5336, 26.2588, 86.3311



20.8689, 38.1573, 17.9933



9.9211, 9.6927, 11.9735



20.0188, 9.6387, 31.7224



0.7869, 0.3787, 1.2572

Previews

White Background



This preview shows how the XYZ color 30.4555, 14.6642, 48.2390 looks on a white background.

Color Contrast Check

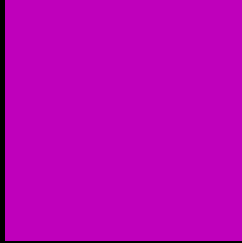
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.4555, 14.6642, 48.2390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

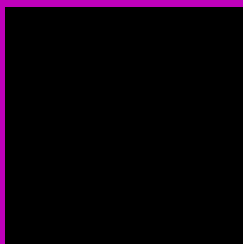
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.4555, 14.6642, 48.2390

Background



This preview shows how black text looks on a background with the XYZ color 30.4555, 14.6642, 48.2390.



This preview shows how white text looks on a background with the XYZ color 30.4555, 14.6642,

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

30.4555, 14.6642, 48.2390

Protanopia

18.3709, 15.4309, 71.8222

Deuteranopia

15.7594, 15.3371, 43.2040



Tritanopia

22.5801, 15.0184, 8.9165

Trichromacy



Original Color

30.4555, 14.6642, 48.2390



Protanomaly

16.0943, 9.9327, 62.0417



Deuteranomaly

17.1764, 11.0622, 44.4099



Tritanomaly

24.0142, 13.4523, 18.4704

Monochromacy



Original Color

30.4555, 14.6642, 48.2390



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

12.0184, 7.5111, 17.9559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4555, 14.6642, 48.2390 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(191, 0, 187)` looks like.

```
.text, #text, p{  
    color:rgb(191, 0, 187)  
}
```

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(191, 0, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 0, 187) }
```

Border

The CSS property to change the border of an element to XYZ 30.4555, 14.6642, 48.2390 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(191, 0, 187) }
```


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

```
.border{ border-color:rgb(191, 0, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 0, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 0, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 0, 187);  
box-shadow:4px 4px 4px 4px rgb(191, 0,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4555, 14.6642, 48.2390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 0, 187) }
```

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

```
.background{ background-color: rgb(191, 0,  
187) }
```

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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