

Converting Colors

XYZ(30.5024, 15.4103, 34.6931)

Have a look what the booklet for
XYZ(30.5024, 15.4103, 34.6931)
contains.

XYZ(30.4515, 15.3912, 34.6235)	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(30.4515, 15.3912,
34.6235)**

Conversions

Conversions Part 1

Format	Color
Hex	C816A0
RGB	200, 22, 160
RGB Percent	78%, 9%, 63%
CMY	0.2157, 0.9137, 0.3725
CMYK	0.00, 0.89, 0.20, 0.22
HSL	313°, 80%, 44%
HSV	313°, 89%, 78%
XYZ	30.4515, 15.3912, 34.6235
YIQ	90.9540, 61.7900, 80.6540

Conversions

Conversions Part 2

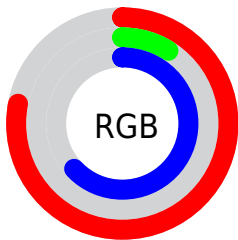
Format	Color
R_{YB}	200, 22, 160
Decimal	13112992
CIE _{Lab}	46.17, 74.18, -29.33
CIE _{LCh}	46, 79.765, 338.427
Yxy	15.3912, 0.3784, 0.1913
Android (android.graphics.Color)	4291303072 (0xFFC816A0)
YUV	90.9540, 34.0397, 95.6333
Hunter-Lab	39.2316, 69.8960, -24.8637

Details

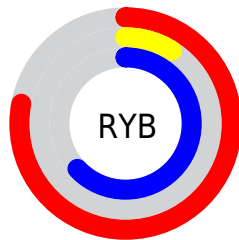
The XYZ color **30.4515, 15.3912, 34.6235** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **21.8557, 41.8276, 11.4816**, and the grayscale version is **9.8510, 10.3640, 11.2864**.

A 20% lighter version of the original color is **57.6886, 34.5320, 67.9148**, and **13.6913, 6.7454, 14.7677** is the 20% darker color. If you saturate the color by 10%, you get **29.8004, 14.7068, 32.5014**, and if you desaturate by 10%, it is **31.3938, 16.6349, 36.9131**.

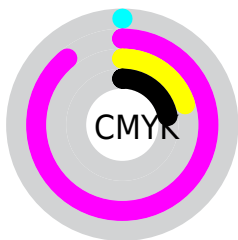
Distribution



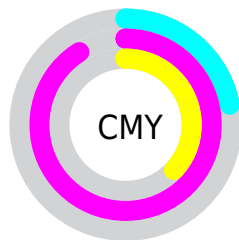
- Red (78%)
- Green (9%)
- Blue (63%)



- Red (78%)
- Yellow (9%)
- Blue (63%)



- Cyan (0%)
- Magenta (89%)
- Yellow (20%)
- Black (22%)





- Cyan (22%)
- Magenta (91%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4515, 15.3912, 34.6235 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 30.4515, 15.3912, 34.6235 by changing the saturation by 10% instead.

 30.4515, 15.3912,
34.6235


 30.4515, 15.3912,
34.6235


295.8756,
225.7220, 337.7570


 20.3313, 9.0944,
23.0918


 59.7572, 35.5380,
68.0470

 12.7458, 4.8028,
14.4553


 79.6734, 50.1568,
90.7759


 7.3295, 2.1320,
8.2957


 103.5857, 68.3184,
118.0743

 3.7172, 0.6825,
4.1943

 131.8594, 90.4072,
150.3606

 1.5434, 0.0000,
1.7325

 164.8599,
116.8075, 188.0536

 0.3551, 0.0000,
0.3829

 202.9525,

 0.0000, 0.0000,

147.9038, 231.5716

0.0000

246.5026,
184.0805, 281.3332

■ 30.4515, 15.3912,
34.6235

■ 30.4515, 15.3912,
34.6235

■ 29.8004, 14.7068,
32.5014

■ 31.3938, 16.6349,
36.9131

■ 29.7404, 14.6478,
32.2931

■ 32.7037, 18.5908,
39.3959

■ 34.4280, 21.3526,
42.0885

■ 36.6065, 24.9991,
45.0047

■ 39.2739, 29.5998,
48.1569

■ 42.4616, 35.2172,
51.5562

■ 46.1982, 41.9084,
55.2127

■ 50.5103, 49.7262,
59.1361

■ 55.4228, 58.7202,
63.3352

Harmonies

Analogous

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



24.3433, 15.3912, 66.4793



30.4515, 15.3912, 34.6235



31.7311, 15.3912, 11.8517

Triad

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



30.4515, 15.3912, 34.6235



12.7967, 15.3912, 0.0483



6.5955, 15.3912, 52.4263

Complementary

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



30.4515, 15.3912, 34.6235



21.8557, 41.8276, 11.4816

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.



5.1376, 15.3912, 22.8610



30.4515, 15.3912, 34.6235



7.9189, 15.3912, 1.2151

Square

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



30.4515, 15.3912, 34.6235



19.9775, 15.3912, 0.3788



5.5327, 15.3912, 6.4223



10.3318, 15.3912, 81.1874

Rectangle

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



30.4515, 15.3912, 34.6235



29.3881, 15.3912, 4.5123



5.5327, 15.3912, 6.4223



5.8851, 15.3912, 41.6241

Sweetspot

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



30.4520, 15.3920, 34.6238



74.4884, 62.7042, 90.2469



12.6114, 5.7235, 55.0841



15.5007, 12.6343, 18.8644



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.



30.4520, 15.3920, 34.6238



51.3974, 25.3230, 55.4181



25.2911, 13.3276, 7.4469



10.9772, 10.7742, 12.8630



18.9449, 9.3275, 20.7176



0.9229, 0.4520, 1.1170

Inverse Universe

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



30.4520, 15.3920, 34.6238



51.3974, 25.3230, 55.4181



26.4563, 43.6679, 35.7081



10.9772, 10.7742, 12.8630



18.9449, 9.3275, 20.7176



0.9229, 0.4520, 1.1170

Previews

White Background



This preview shows how the XYZ color 30.4515, 15.3912, 34.6235 looks on a white background.

Color Contrast Check

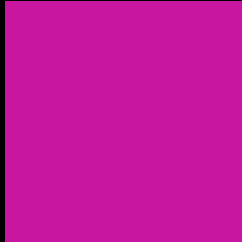
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.4515, 15.3912, 34.6235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

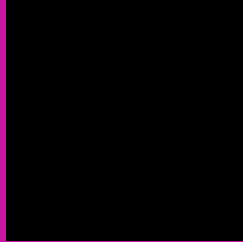
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.4515, 15.3912, 34.6235

Background



This preview shows how black text looks on a background with the XYZ color 30.4515, 15.3912, 34.6235.



This preview shows how white text looks on a background with the XYZ color 30.4515, 15.3912,

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

30.4515, 15.3912, 34.6235

Protanopia

19.0290, 16.0761, 71.9121

Deuteranopia

16.1192, 15.7919, 31.0527



Tritanopia

24.7027, 15.4167, 7.3040

Trichromacy



Original Color

30.4515, 15.3912, 34.6235



Protanomaly

17.2262, 11.5127, 55.9578



Deuteranomaly

18.6400, 12.8751, 32.0746



Tritanomaly

26.0023, 14.7580, 14.0485

Monochromacy



Original Color

30.4515, 15.3912, 34.6235



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

14.4607, 9.9827, 17.6877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4515, 15.3912, 34.6235 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(200, 22, 160)` looks like.

```
.text, #text, p{  
    color:rgb(200, 22, 160)  
}
```

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(200, 22, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 22, 160) }
```

Border

The CSS property to change the border of an element to XYZ 30.4515, 15.3912, 34.6235 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(200, 22, 160) }
```


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

```
.border{ border-color:rgb(200, 22, 160) }
```

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

Here you see how a box with a 4 pixel rgb(200, 22, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 22, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 22, 160);  
box-shadow:4px 4px 4px 4px rgb(200, 22,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4515, 15.3912, 34.6235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 22, 160) }
```

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

```
.background{ background-color: rgb(200, 22,  
160) }
```

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