

Converting Colors

XYZ(29.6316, 12.6868, 49.8680)

Have a look what the booklet for
XYZ(29.6316, 12.6868, 49.8680)
contains.

XYZ(30.5295, 14.6649, 49.9367)	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(30.5295, 14.6649,
49.9367)**

Conversions

Conversions Part 1

Format	Color
Hex	BE00BE
RGB	190, 0, 190
RGB Percent	75%, 0%, 75%
CMY	0.2549, 0.9999, 0.2549
CMYK	0.00, 1.00, 0.00, 0.25
HSL	300°, 100%, 37%
HSV	300°, 100%, 75%
XYZ	30.5295, 14.6649, 49.9367
YIQ	78.4700, 52.2500, 99.3700

Conversions

Conversions Part 2

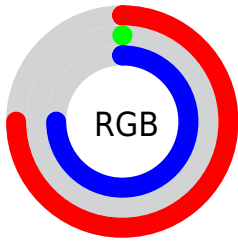
Format	Color
R_{YB}	190, 0, 190
Decimal	12452030
CIE _{Lab}	45.17, 78.75, -48.77
CIE _{LCh}	45, 92.629, 328.233
Yxy	14.6649, 0.3209, 0.1542
Android (android.graphics.Color)	4290642110 (0xFFBE00BE)
YUV	78.4700, 54.9843, 97.8118
Hunter-Lab	38.2948, 75.2885, -50.5083

Details

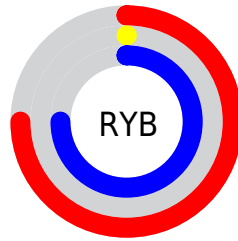
The XYZ color **30.5295, 14.6649, 49.9367** is a dark color, and the websafe version is hex **CC00CC**. A complement of this color would be **18.4142, 36.8277, 6.1387**, and the grayscale version is **7.2254, 7.6017, 8.2783**.

A 20% lighter version of the original color is **59.7852, 34.1842, 91.4429**, and **13.9597, 6.6831, 23.8468** is the 20% darker color. If you saturate the color by 10%, you get **30.5298, 14.6650, 49.9369**, and if you desaturate by 10%, it is **30.7631, 15.1316, 50.0147**.

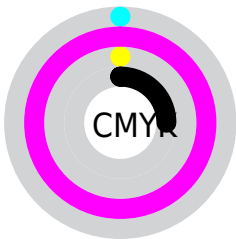
Distribution



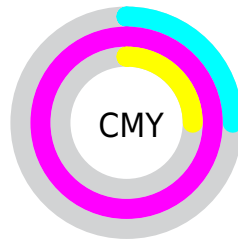
- Red (75%)
- Green (0%)
- Blue (75%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.5295, 14.6649, 49.9367 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 30.5295, 14.6649, 49.9367 by changing the saturation by 10% instead.

 30.5295, 14.6649,
49.9367


 30.5295, 14.6649,
49.9367

296.2306,
221.3289, 403.1463


 20.3909, 8.5845,
34.9923


 59.8794, 34.2642,
91.4764


 12.7894, 4.4712,
23.3734

 79.8215, 48.5520,
118.9088


 7.3597, 1.9405,
14.6616


 103.7621, 66.3444,
151.3409

 3.7364, 0.5725,
8.4383

 132.0666, 88.0257,
189.1913

 1.5541, 0.0000,
4.2849

 165.1003,
113.9804, 232.8785

 0.3622, 0.0000,
1.7829

 203.2287,

 0.0000, 0.0000,

144.5930, 282.8210

0.4166

246.8170,
180.2476, 339.4375

■ 0.0000, 0.0000,
0.0000

■ 30.5295, 14.6649,
49.9367

■ 30.5295, 14.6649,
49.9367

■ 30.5298, 14.6650,
49.9369

■ 30.7631, 15.1316,
50.0147

■ 31.2238, 16.0529,
50.1683

■ 31.9943, 17.5938,
50.4252

■ 33.1161, 19.8375,
50.7992

■ 34.6244, 22.8541,
51.3020

■ 36.5501, 26.7055,
51.9440

■ 38.9210, 31.4472,
52.7343

■ 41.7624, 37.1300,
53.6815

■ 45.0978, 43.8008,
54.7934

Harmonies

Analogous

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



22.1065, 14.6649, 89.1121



30.5295, 14.6649, 49.9367



34.3808, 14.6649, 17.3006

Triad

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



30.5295, 14.6649, 49.9367



14.3966, 14.6649, 0.0000



4.5887, 14.6649, 45.2829

Complementary

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



30.5295, 14.6649, 49.9367



18.4142, 36.8277, 6.1387

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.



3.8078, 14.6649, 14.7048



30.5295, 14.6649, 49.9367



8.0803, 14.6649, 0.0000

Square

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



30.5295, 14.6649, 49.9367



23.1910, 14.6649, 0.0000



4.8081, 14.6649, 2.4812



7.5469, 14.6649, 85.0915

Rectangle

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



30.5295, 14.6649, 49.9367



33.0643, 14.6649, 6.0903



4.8081, 14.6649, 2.4812



4.1238, 14.6649, 33.0788

Sweetspot

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



30.5301, 14.6656, 49.9370



70.2952, 56.5176, 95.4828



9.2950, 3.7185, 48.9438



15.0149, 11.5682, 20.8267



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.



30.5301, 14.6656, 49.9370



55.3237, 26.5748, 90.4916



23.3020, 11.7743, 11.8741



9.9300, 9.6963, 12.0204



20.3003, 9.7513, 33.2047



0.7952, 0.3820, 1.3007

Inverse Universe

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



30.5301, 14.6656, 49.9370



55.3237, 26.5748, 90.4916



20.4802, 37.6541, 17.0182



9.9300, 9.6963, 12.0204



20.3003, 9.7513, 33.2047



0.7952, 0.3820, 1.3007

Previews

White Background



This preview shows how the XYZ color 30.5295, 14.6649, 49.9367 looks on a white background.

Color Contrast Check

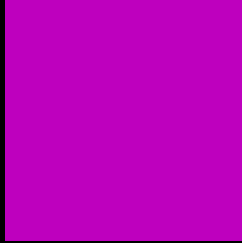
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.5295, 14.6649, 49.9367 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 30.5295, 14.6649, 49.9367

Background



This preview shows how black text looks on a background with the XYZ color 30.5295, 14.6649, 49.9367.



This preview shows how white text looks on a background with the XYZ color 30.5295, 14.6649,

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

30.5295, 14.6649, 49.9367

Protanopia

18.2364, 15.3771, 71.1142

Deuteranopia

15.7853, 15.3158, 44.7721



Tritanopia

22.3241, 15.0763, 9.3228

Trichromacy



Original Color

30.5295, 14.6649, 49.9367



Protanomaly

16.0943, 9.9327, 62.0417



Deuteranomaly

17.1058, 10.9901, 46.0195



Tritanomaly

23.7385, 13.4151, 19.1075

Monochromacy



Original Color

30.5295, 14.6649, 49.9367



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

12.0781, 7.5351, 18.2706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5295, 14.6649, 49.9367 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(190, 0, 190)` looks like.

```
.text, #text, p{  
    color:rgb(190, 0, 190)  
}
```

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(190, 0, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 0, 190) }
```

Border

The CSS property to change the border of an element to XYZ 30.5295, 14.6649, 49.9367 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(190, 0, 190) }
```


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

```
.border{ border-color:rgb(190, 0, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 0, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 0, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 0, 190);  
box-shadow:4px 4px 4px 4px rgb(190, 0,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5295, 14.6649, 49.9367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 0, 190) }
```

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

```
.background{ background-color: rgb(190, 0,  
190) }
```

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