

Converting Colors

XYZ(30.0742, 17.4145, 58.3770)

Have a look what the booklet for
XYZ(30.0742, 17.4145, 58.3770)
contains.

XYZ(30.1412, 17.4523, 58.2799)	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(30.1412, 17.4523,
58.2799)**

Conversions

Conversions Part 1

Format	Color
Hex	AD45CB
RGB	173, 69, 203
RGB Percent	68%, 27%, 80%
CMY	0.3216, 0.7294, 0.2039
CMYK	0.15, 0.66, 0.00, 0.20
HSL	287°, 56%, 53%
HSV	287°, 66%, 80%
XYZ	30.1412, 17.4523, 58.2799
YIQ	115.3720, 18.9700, 63.7220

Conversions

Conversions Part 2

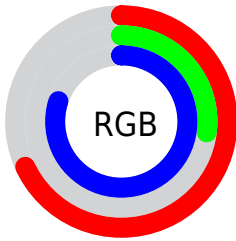
Format	Color
R_{YB}	173, 69, 203
Decimal	11355595
CIE Lab	48.82, 61.55, -50.62
CIE LCh	49, 79.690, 320.565
Yxy	17.4523, 0.2847, 0.1648
Android (android.graphics.Color)	4289545675 (0xFFAD45CB)
YUV	115.3720, 43.2006, 50.5398
Hunter-Lab	41.7760, 55.6792, -53.4699

Details

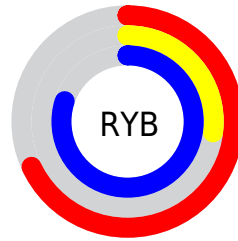
The XYZ color **30.1412, 17.4523, 58.2799** is a dark color, and the websafe version is hex **9933CC**. The color can be described as middle muted purple. A complement of this color would be **27.5762, 45.7946, 13.0167**, and the grayscale version is **16.2782, 17.1260, 18.6502**.

A 20% lighter version of the original color is **58.2126, 38.6242, 98.9948**, and **12.6814, 5.9200, 28.4913** is the 20% darker color. If you saturate the color by 10%, you get **28.1115, 14.8589, 57.8866**, and if you desaturate by 10%, it is **32.6335, 20.9187, 58.8179**.

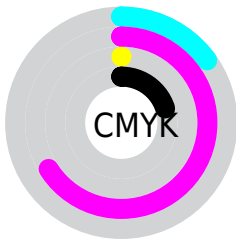
Distribution



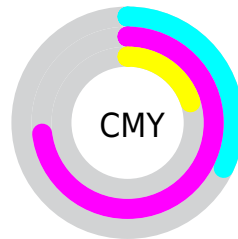
- Red (68%)
- Green (27%)
- Blue (80%)



- Red (68%)
- Yellow (27%)
- Blue (80%)



- Cyan (15%)
- Magenta (66%)
- Yellow (0%)
- Black (20%)





- Cyan (32%)
- Magenta (73%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1412, 17.4523, 58.2799 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 30.1412, 17.4523, 58.2799 by changing the saturation by 10% instead.


 30.1412, 17.4523,
58.2799


 30.1412, 17.4523,
58.2799

294.4601,
237.7655, 435.8554


 20.0944, 10.5575,
41.6175


 59.2705, 39.1018,
103.8491

 12.5723, 5.7701,
28.4786


 79.0837, 54.6253,
133.5931


 7.2097, 2.7058,
18.4446


 102.8831, 73.7938,
168.5347

 3.6411, 0.9801,
11.0969

 131.0340, 96.9918,
209.0924

 1.5012, 0.0000,
6.0171

 163.9018,
124.6035, 255.6848

 0.3266, 0.0000,
2.7865

201.8518,

 0.0000, 0.0000,

157.0135, 308.7304

0.9867

245.2495,
194.6060, 368.6478

■ 0.0000, 0.0000,
0.0000

■ 30.1412, 17.4523,
58.2799

■ 30.1412, 17.4523,
58.2799

■ 28.1115, 14.8589,
57.8866

■ 32.6335, 20.9187,
58.8179

■ 26.4962, 13.0448,
57.6216

■ 35.6258, 25.3347,
59.5126

■ 25.2386, 11.8963,
57.4662

■ 39.1540, 30.7706,
60.3758

■ 24.7924, 11.5357,
57.4201

■ 43.2498, 37.2896,
61.4183

■ 47.9426, 44.9497,
62.6495

■ 53.2593, 53.8047,
64.0785

■ 59.2255, 63.9050,
65.7136

■ 65.8651, 75.2981,
67.5627

■ 73.2008, 88.0289,
69.6333

Harmonies

Analogous

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



22.0894, 17.4523, 88.1167



30.1412, 17.4523, 58.2799



34.8967, 17.4523, 26.4749

Triad

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



30.1412, 17.4523, 58.2799



19.0250, 17.4523, 0.3894



6.5322, 17.4523, 37.1548

Complementary

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



30.1412, 17.4523, 58.2799



27.5762, 45.7946, 13.0167

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.



6.1569, 17.4523, 13.0879



30.1412, 17.4523, 58.2799



12.0853, 17.4523, 0.6690

Square

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



30.1412, 17.4523, 58.2799



27.3349, 17.4523, 1.7238



7.8636, 17.4523, 3.1118



9.1073, 17.4523, 70.8563

Rectangle

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



30.1412, 17.4523, 58.2799



34.8170, 17.4523, 12.4819



7.8636, 17.4523, 3.1118



6.1820, 17.4523, 27.4717

Sweetspot

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



30.1419, 17.4530, 58.2803



76.8063, 69.5642, 103.9868



17.8172, 14.7434, 58.4069



15.9650, 14.1160, 22.1332



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.



30.1419, 17.4530, 58.2803



45.8983, 23.5036, 96.7253



33.7570, 19.7533, 38.7229



11.4323, 11.2722, 14.1436



15.8591, 7.3832, 36.5455



0.8802, 0.4129, 1.8882

Inverse Universe

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



29.0093, 17.8542, 13.7223



44.7737, 24.7508, 14.1343



26.3468, 44.9919, 20.5894



11.3135, 11.2541, 12.1853



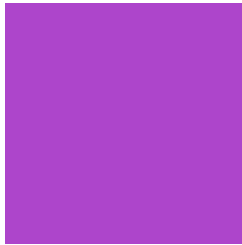
16.0091, 8.2142, 2.5008



0.8555, 0.4356, 0.2849

Previews

White Background



This preview shows how the XYZ color 30.1412, 17.4523, 58.2799 looks on a white background.

Color Contrast Check

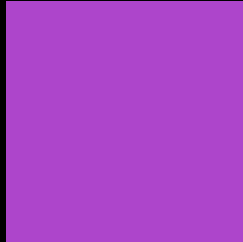
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.1412, 17.4523, 58.2799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

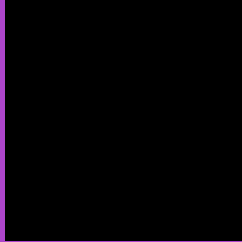
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.1412, 17.4523, 58.2799

Background



This preview shows how black text looks on a background with the XYZ color 30.1412, 17.4523, 58.2799.



This preview shows how white text looks on a background with the XYZ color 30.1412, 17.4523,

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

30.1412, 17.4523, 58.2799

Protanopia

21.3742, 17.8203, 83.9745

Deuteranopia

18.2132, 17.7076, 53.4969



Tritanopia

21.3614, 17.3352, 15.8558

Trichromacy



Original Color

30.1412, 17.4523, 58.2799



Protanomaly

19.9602, 14.9135, 73.7781



Deuteranomaly

20.3441, 16.0886, 54.8565



Tritanomaly

23.6073, 16.7950, 27.1968

Monochromacy



Original Color

30.1412, 17.4523, 58.2799



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

19.7875, 16.0762, 29.6639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1412, 17.4523, 58.2799 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(173, 69, 203)` looks like.

```
.text, #text, p{  
    color:rgb(173, 69, 203)  
}
```

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(173, 69, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 69, 203) }
```

Border

The CSS property to change the border of an element to XYZ 30.1412, 17.4523, 58.2799 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(173, 69, 203) }
```


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

```
.border{ border-color:rgb(173, 69, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 69, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 69, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 69, 203);  
box-shadow:4px 4px 4px 4px rgb(173, 69,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1412, 17.4523, 58.2799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 69, 203) }
```

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

```
.background{ background-color: rgb(173, 69,  
203) }
```

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