

Converting Colors

XYZ(29.2119, 16.6705, 51.1127)

Have a look what the booklet for
XYZ(29.2119, 16.6705, 51.1127)
contains.

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Color

**XYZ(29.1419, 16.6585,
50.9697)**

Conversions

Conversions Part 1

Format	Color
Hex	B040BF
RGB	176, 64, 191
RGB Percent	69%, 25%, 75%
CMY	0.3098, 0.7490, 0.2510
CMYK	0.08, 0.66, 0.00, 0.25
HSL	293°, 50%, 50%
HSV	293°, 66%, 75%
XYZ	29.1419, 16.6585, 50.9697
YIQ	111.9660, 25.9850, 63.2410

Conversions

Conversions Part 2

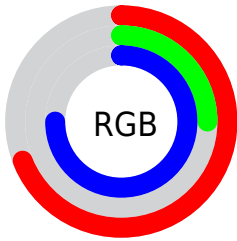
Format	Color
R_{YB}	176, 64, 191
Decimal	11550911
CIE _{Lab}	47.83, 62.04, -45.25
CIE _{LCh}	48, 76.786, 323.897
Yxy	16.6585, 0.3011, 0.1721
Android (android.graphics.Color)	4289740991 (0xFFB040BF)
YUV	111.9660, 38.9638, 56.1578
Hunter-Lab	40.8148, 56.0236, -45.4712

Details

The XYZ color **29.1419, 16.6585, 50.9697** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **22.7812, 39.2944, 11.2351**, and the grayscale version is **15.2760, 16.0716, 17.5019**.

A 20% lighter version of the original color is **57.5914, 37.7027, 93.0489**, and **12.2611, 5.7992, 24.1400** is the 20% darker color. If you saturate the color by 10%, you get **27.7378, 14.6006, 50.6467**, and if you desaturate by 10%, it is **30.9245, 19.4596, 51.4167**.

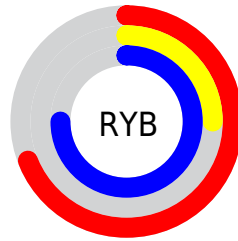
Distribution



Red (69%)

Green (25%)

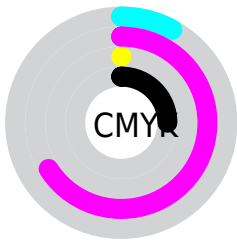
Blue (75%)



Red (69%)

Yellow (25%)

Blue (75%)

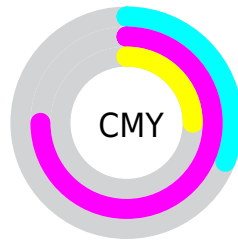


Cyan (8%)

Magenta (66%)

Yellow (0%)

Black (25%)



Cyan (31%)


Magenta (75%)


Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1419, 16.6585, 50.9697 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 29.1419, 16.6585, 50.9697 by changing the saturation by 10% instead.

 29.1419, 16.6585,
50.9697


 29.1419, 16.6585,
50.9697


289.8660,
233.1967, 407.2892


 19.3330, 9.9913,
35.8079


 57.6985, 37.7377,
93.0210

 12.0166, 5.3932,
23.9974


 77.1768, 52.9185,
120.7477


 6.8273, 2.4798,
15.1195


 100.6091, 71.7059,
153.4997

 3.3997, 0.8665,
8.7557

 128.3606, 94.4844,
191.6956

 1.3685, 0.0000,
4.4876

 160.7967,
121.6383, 235.7540

 0.2336, 0.0000,
1.8965

198.2827,

 0.0000, 0.0000,

153.5521, 286.0934

0.4905

241.1840,
190.6100, 343.1323

■ 0.0000, 0.0000,
0.0000

■ 29.1419, 16.6585,
50.9697

■ 29.1419, 16.6585,
50.9697

■ 27.7378, 14.6006,
50.6467

■ 30.9245, 19.4596,
51.4167

■ 26.6707, 13.2048,
50.4336

■ 33.1177, 23.0697,
51.9979

■ 25.8893, 12.3681,
50.3133

■ 35.7520, 27.5495,
52.7237

■ 25.6468, 12.1351,
50.2811

■ 38.8550, 32.9537,
53.6033

■ 42.4514, 39.3321,
54.6449

■ 46.5646, 46.7312,
55.8563

■ 51.2164, 55.1944,
57.2447

■ 56.4271, 64.7625,
58.8169

■ 62.2162, 75.4744,
60.5794

Harmonies

Analogous

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



21.8340, 16.6585, 79.7061



29.1419, 16.6585, 50.9697



33.0125, 16.6585, 22.4818

Triad

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



29.1419, 16.6585, 50.9697



17.2851, 16.6585, 0.4271



6.5423, 16.6585, 38.2760

Complementary

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



29.1419, 16.6585, 50.9697



22.7812, 39.2944, 11.2351

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.



5.9710, 16.6585, 14.3936



29.1419, 16.6585, 50.9697



11.0472, 16.6585, 0.8569

Square

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



29.1419, 16.6585, 50.9697



25.0004, 16.6585, 1.5058



7.3558, 16.6585, 3.7036



9.2359, 16.6585, 69.3593

Rectangle

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



29.1419, 16.6585, 50.9697



32.5044, 16.6585, 10.4620



7.3558, 16.6585, 3.7036



6.1359, 16.6585, 28.8709

Sweetspot

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



29.1426, 16.6592, 50.9701



73.4583, 65.8606, 97.1198



14.4565, 10.7273, 50.5991



15.7298, 13.7515, 21.2105



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.



29.1426, 16.6592, 50.9701



48.6948, 24.8172, 90.5028



28.3870, 16.7707, 28.3012



9.8160, 9.6375, 12.0151



16.8992, 7.9979, 33.0460



0.6937, 0.3297, 1.2959

Inverse Universe

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



24.7310, 15.3083, 9.0491



40.7967, 22.5529, 8.4786



23.5912, 39.4902, 21.2940



9.5748, 9.5542, 10.1498



14.2350, 7.3252, 1.2652



0.5729, 0.2931, 0.1301

Previews

White Background



This preview shows how the XYZ color 29.1419, 16.6585, 50.9697 looks on a white background.

Color Contrast Check

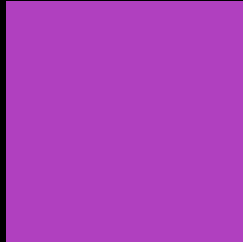
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1419, 16.6585, 50.9697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

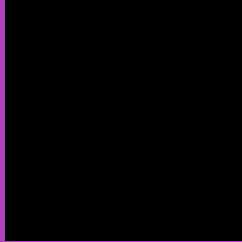
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.1419, 16.6585, 50.9697

Background



This preview shows how black text looks on a background with the XYZ color 29.1419, 16.6585, 50.9697.

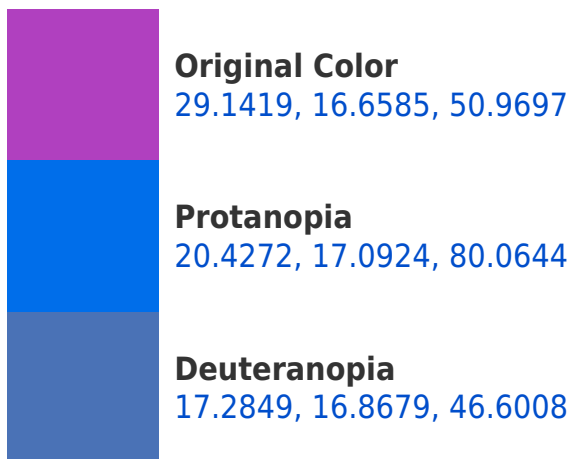


This preview shows how white text looks on a background with the XYZ color 29.1419, 16.6585,

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





Tritanopia

21.4763, 16.6221, 13.8808

Trichromacy



Original Color

29.1419, 16.6585, 50.9697



Protanomaly

18.6836, 13.9806, 68.0435



Deuteranomaly

19.4954, 15.2480, 47.8146



Tritanomaly

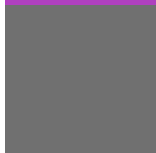
23.3306, 16.0254, 23.6933

Monochromacy



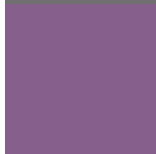
Original Color

29.1419, 16.6585, 50.9697



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

18.8916, 15.2584, 27.1488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1419, 16.6585, 50.9697 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(176, 64, 191)` looks like.

```
.text, #text, p{  
    color:rgb(176, 64, 191)  
}
```

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(176, 64, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 64, 191) }
```

Border

The CSS property to change the border of an element to XYZ 29.1419, 16.6585, 50.9697 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(176, 64, 191) }
```


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

```
.border{ border-color:rgb(176, 64, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 64, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 64, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 64, 191);  
box-shadow:4px 4px 4px 4px rgb(176, 64,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1419, 16.6585, 50.9697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 64, 191) }
```

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

```
.background{ background-color: rgb(176, 64,  
191) }
```

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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