

Converting Colors

XYZ(29.6774, 16.1046, 48.0824)

Have a look what the booklet for
XYZ(29.6774, 16.1046, 48.0824)
contains.

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Color

**XYZ(29.6194, 16.0684,
47.9948)**

Conversions

Conversions Part 1

Format	Color
Hex	B734BA
RGB	183, 52, 186
RGB Percent	72%, 20%, 73%
CMY	0.2823, 0.7961, 0.2706
CMYK	0.02, 0.72, 0.00, 0.27
HSL	299°, 56%, 47%
HSV	299°, 72%, 73%
XYZ	29.6194, 16.0684, 47.9948
YIQ	106.4450, 35.0620, 69.4460

Conversions

Conversions Part 2

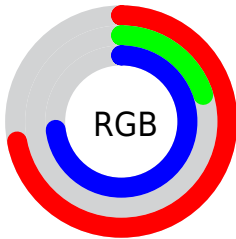
Format	Color
R_{YB}	183, 52, 186
Decimal	12006586
CIE _{Lab}	47.06, 67.16, -43.48
CIE _{LCh}	47, 80.004, 327.081
Yxy	16.0684, 0.3162, 0.1715
Android (android.graphics.Color)	4290196666 (0xFFB734BA)
YUV	106.4450, 39.2206, 67.1387
Hunter-Lab	40.0854, 61.7455, -42.9289

Details

The XYZ color **29.6194, 16.0684, 47.9948** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **19.7547, 36.1783, 9.1914**, and the grayscale version is **13.7114, 14.4254, 15.7093**.

A 20% lighter version of the original color is **58.4801, 36.7172, 88.7989**, and **12.7690, 6.1016, 22.3345** is the 20% darker color. If you saturate the color by 10%, you get **28.8481, 14.6720, 47.7661**, and if you desaturate by 10%, it is **30.7192, 18.1202, 48.3331**.

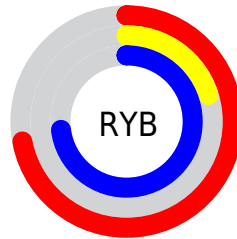
Distribution



Red (72%)

Green (20%)

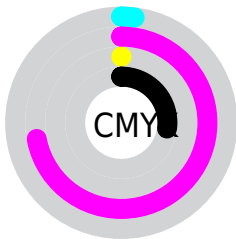
Blue (73%)



Red (72%)

Yellow (20%)

Blue (73%)

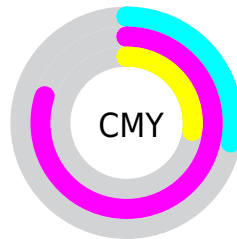


Cyan (2%)

Magenta (72%)

Yellow (0%)

Black (27%)



Cyan (28%)

Magenta (80%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6194, 16.0684, 47.9948 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 29.6194, 16.0684, 47.9948 by changing the saturation by 10% instead.

■ 29.6194, 16.0684,
47.9948

■ 29.6194, 16.0684,
47.9948

292.0681,
229.7450, 395.2796

■ 19.6965, 9.5726,
33.4628

■ 58.4505, 36.7169,
88.5621

■ 12.2816, 5.1165,
22.2072

■ 78.0895, 51.6384,
115.4345

■ 7.0093, 2.3158,
13.8095

■ 101.6978, 70.1372,
147.2575

■ 3.5143, 0.7820,
7.8510

■ 129.6410, 92.5977,
184.4496

■ 1.4312, 0.0000,
3.9134

■ 162.2842,
119.4044, 227.4293

■ 0.2783, 0.0000,
1.5779

199.9929,

■ 0.0000, 0.0000,

150.9415, 276.6152

0.2750

243.1324,
187.5936, 332.4258

■ 0.0000, 0.0000,
0.0000

■ 29.6194, 16.0684,
47.9948

■ 29.6194, 16.0684,
47.9948

■ 28.8481, 14.6720,
47.7661

■ 30.7192, 18.1202,
48.3331

■ 28.3624, 13.8470,
47.6325

■ 32.1799, 20.8941,
48.7915

■ 28.1161, 13.4705,
47.5728

■ 34.0323, 24.4506,
49.3804

■ 36.3031, 28.8437,
50.1086

■ 39.0168, 34.1223,
50.9845

■ 42.1962, 40.3317,
52.0154

■ 45.8623, 47.5139,
53.2085

■ 50.0348, 55.7087,
54.5704

■ 54.7324, 64.9533,
56.1072

Harmonies

Analogous

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



22.2709, 16.0684, 79.3277



29.6194, 16.0684, 47.9948



33.0864, 16.0684, 19.5369

Triad

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



29.6194, 16.0684, 47.9948



15.9695, 16.0684, 0.0870



6.1375, 16.0684, 41.6246

Complementary

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



29.6194, 16.0684, 47.9948



19.7547, 36.1783, 9.1914

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.



5.3758, 16.0684, 15.6020



29.6194, 16.0684, 47.9948



9.9193, 16.0684, 0.6930

Square

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



29.6194, 16.0684, 47.9948



23.8356, 16.0684, 0.9779



6.5191, 16.0684, 3.7816



9.0538, 16.0684, 74.0615

Rectangle

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



29.6194, 16.0684, 47.9948



32.1292, 16.0684, 8.4271



6.5191, 16.0684, 3.7816



5.6688, 16.0684, 31.4677

Sweetspot

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



29.6200, 16.0691, 47.9951



70.5477, 61.5125, 92.3562



11.7166, 7.1497, 47.2171



15.2245, 12.9398, 20.2378



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



29.6200, 16.0691, 47.9951



51.7557, 25.6708, 86.4285



25.0827, 14.3375, 20.3387



9.3605, 9.1522, 11.3526



18.9245, 9.0671, 32.0058



0.6734, 0.3229, 1.1286

Inverse Universe

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



22.1677, 13.1715, 4.9889



37.6327, 20.2044, 3.7993



22.0433, 37.0754, 22.0746



9.0125, 9.0154, 9.4135



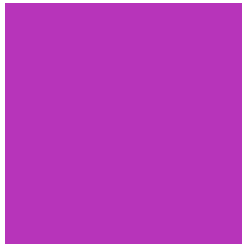
13.6424, 7.0307, 0.7380



0.4837, 0.2490, 0.0406

Previews

White Background



This preview shows how the XYZ color 29.6194, 16.0684, 47.9948 looks on a white background.

Color Contrast Check

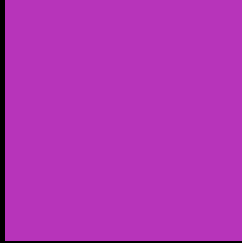
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6194, 16.0684, 47.9948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

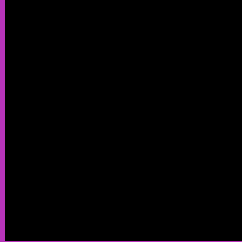
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.6194, 16.0684, 47.9948

Background



This preview shows how black text looks on a background with the XYZ color 29.6194, 16.0684, 47.9948.



This preview shows how white text looks on a background with the XYZ color 29.6194, 16.0684,

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

29.6194, 16.0684, 47.9948

Protanopia

19.6455, 16.4383, 77.0004

Deuteranopia

16.7906, 16.3404, 43.8640



Tritanopia

22.1501, 16.0230, 11.8228

Trichromacy



Original Color

29.6194, 16.0684, 47.9948



Protanomaly

17.9421, 13.0278, 65.1873



Deuteranomaly

19.0968, 14.3206, 44.9377



Tritanomaly

24.0529, 15.5016, 21.4630

Monochromacy



Original Color

29.6194, 16.0684, 47.9948



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

17.5325, 13.4732, 24.5982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6194, 16.0684, 47.9948 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(183, 52, 186)` looks like.

```
.text, #text, p{  
    color:rgb(183, 52, 186)  
}
```

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(183, 52, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 52, 186) }
```

Border

The CSS property to change the border of an element to XYZ 29.6194, 16.0684, 47.9948 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(183, 52, 186) }
```


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

```
.border{ border-color:rgb(183, 52, 186) }
```

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

Here you see how a box with a 4 pixel rgb(183, 52, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 52, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 52, 186);  
box-shadow:4px 4px 4px 4px rgb(183, 52,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6194, 16.0684, 47.9948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 52, 186) }
```

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

```
.background{ background-color: rgb(183, 52,  
186) }
```

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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