

Converting Colors

XYZ(27.6914, 16.6127, 34.1376)

Have a look what the booklet for
XYZ(27.6914, 16.6127, 34.1376)
contains.

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Color

**XYZ(27.7671, 16.6701,
34.1019)**

Conversions

Conversions Part 1

Format	Color
Hex	B7449E
RGB	183, 68, 158
RGB Percent	72%, 27%, 62%
CMY	0.2824, 0.7333, 0.3804
CMYK	0.00, 0.63, 0.14, 0.28
HSL	313°, 46%, 49%
HSV	313°, 63%, 72%
XYZ	27.7671, 16.6701, 34.1019
YIQ	112.6450, 39.6500, 52.3700

Conversions

Conversions Part 2

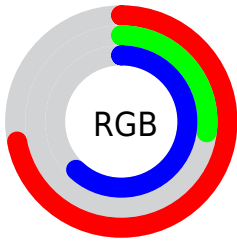
Format	Color
R_{YB}	183, 68, 158
Decimal	12010654
CIE _{Lab}	47.84, 56.59, -25.75
CIE _{LCh}	48, 62.171, 335.532
Yxy	16.6701, 0.3535, 0.2123
Android (android.graphics.Color)	4290200734 (0xFFB7449E)
YUV	112.6450, 22.3600, 61.7013
Hunter-Lab	40.8290, 49.9439, -20.9408

Details

The XYZ color **27.7671, 16.6701, 34.1019** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **21.2940, 35.8868, 16.1618**, and the grayscale version is **15.5195, 16.3277, 17.7809**.

A 20% lighter version of the original color is **55.3688, 37.6708, 67.3037**, and **11.3539, 5.5526, 14.1090** is the 20% darker color. If you saturate the color by 10%, you get **26.4912, 14.6573, 32.0143**, and if you desaturate by 10%, it is **29.4006, 19.3797, 36.3637**.

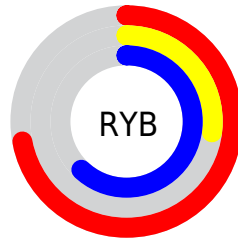
Distribution



Red (72%)

Green (27%)

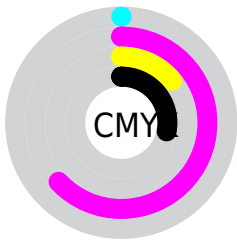
Blue (62%)



Red (72%)

Yellow (27%)

Blue (62%)

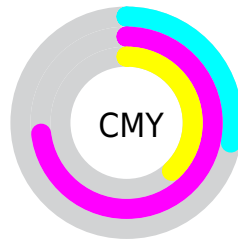


Cyan (0%)

Magenta (63%)

Yellow (14%)

Black (28%)



Cyan (28%)


Magenta (73%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.7671, 16.6701, 34.1019 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 27.7671, 16.6701, 34.1019 by changing the saturation by 10% instead.


 27.7671, 16.6701,
34.1019


 27.7671, 16.6701,
34.1019


283.4527,
233.2640, 335.3692


 18.2897, 9.9996,
22.6939


 55.5236, 37.7577,
67.2278

 11.2591, 5.3987,
14.1645


 74.5335, 52.9435,
89.7828


 6.3100, 2.4830,
8.0951


 97.4516, 71.7366,
116.8905

 3.0769, 0.8681,
4.0672

 124.6433, 94.5213,
148.9695

 1.1946, 0.0000,
1.6623

 156.4738,
121.6819, 186.4384

 0.1021, 0.0000,
0.3347

193.3087,

 0.0000, 0.0000,

153.6030, 229.7156

0.0000

235.5132,
190.6689, 279.2197

■ 27.7671, 16.6701,
34.1019

■ 27.7671, 16.6701,
34.1019

■ 26.4912, 14.6573,
32.0143

■ 29.4006, 19.3797,
36.3637

■ 25.5378, 13.2721,
30.0883

■ 31.4191, 22.8420,
38.8089

■ 24.8672, 12.4353,
28.3102

■ 33.8495, 27.1097,
41.4471

■ 24.5029, 12.0571,
27.1082

■ 36.7155, 32.2305,
44.2866

■ 40.0390, 38.2480,
47.3354

■ 43.8406, 45.2030,
50.6007

■ 48.1394, 53.1338,
54.0894

■ 52.9536, 62.0765,
57.8079

■ 58.3003, 72.0653,
61.7625

Harmonies

Analogous

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



22.9410, 16.6701, 56.4472



27.7671, 16.6701, 34.1019



29.1176, 16.6701, 15.3442

Triad

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



27.7671, 16.6701, 34.1019



14.8315, 16.6701, 1.5231



8.6134, 16.6701, 42.5348

Complementary

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



27.7671, 16.6701, 34.1019



21.2940, 35.8868, 16.1618

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.



7.3788, 16.6701, 21.2805



27.7671, 16.6701, 34.1019



10.3868, 16.6701, 2.8637

Square

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



27.7671, 16.6701, 34.1019



20.7216, 16.6701, 2.0823



7.9420, 16.6701, 8.1600



11.7997, 16.6701, 63.0034

Rectangle

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



27.7671, 16.6701, 34.1019



27.6447, 16.6701, 7.8597



7.9420, 16.6701, 8.1600



7.9953, 16.6701, 34.8968

Sweetspot

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



27.7677, 16.6709, 34.1022



67.7590, 61.3355, 81.1972



15.1210, 9.8769, 45.9096



14.6059, 12.8977, 17.5967



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.7677, 16.6709, 34.1022



46.8027, 25.2874, 56.1323



23.9249, 15.1338, 13.8663



9.2951, 9.1284, 10.9013



17.1197, 8.4216, 19.0489



0.6246, 0.3053, 0.7826

Inverse Universe

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



27.7677, 16.6709, 34.1022



46.8027, 25.2874, 56.1323



24.8567, 37.3119, 34.9231



9.2951, 9.1284, 10.9013



17.1197, 8.4216, 19.0489



0.6246, 0.3053, 0.7826

Previews

White Background



This preview shows how the XYZ color 27.7671, 16.6701, 34.1019 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 27.7671, 16.6701, 34.1019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

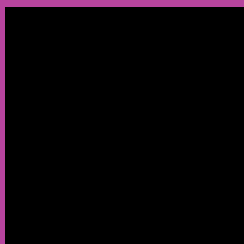
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.7671, 16.6701, 34.1019

Background



This preview shows how black text looks on a background with the XYZ color 27.7671, 16.6701, 34.1019.



This preview shows how white text looks on a background with the XYZ color 27.7671, 16.6701,

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

27.7671, 16.6701, 34.1019

Protanopia

18.7562, 17.1456, 53.3598

Deuteranopia

17.2058, 16.8260, 31.6190



Tritanopia

23.1641, 16.6584, 12.1197

Trichromacy



Original Color

27.7671, 16.6701, 34.1019



Protanomaly

19.8595, 15.4838, 45.6580



Deuteranomaly

19.6885, 15.6854, 32.5617



Tritanomaly

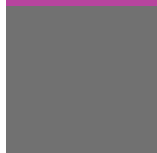
24.5388, 16.4366, 18.4022

Monochromacy



Original Color

27.7671, 16.6701, 34.1019



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

18.7184, 15.5376, 22.7814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7671, 16.6701, 34.1019 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, 68, 158)` looks like.

```
.text, #text, p{  
    color:rgb(183, 68, 158)  
}
```

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, 68, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 68, 158) }
```

Border

The CSS property to change the border of an element to XYZ 27.7671, 16.6701, 34.1019 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, 68, 158) }
```


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

```
.border{ border-color:rgb(183, 68, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 68, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 68, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 68, 158);  
box-shadow:4px 4px 4px 4px rgb(183, 68,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7671, 16.6701, 34.1019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 68, 158) }
```

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

```
.background{ background-color: rgb(183, 68,  
158) }
```

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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