

Converting Colors

XYZ(16.6807, 8.0783, 32.2404)

Have a look what the booklet for
XYZ(16.6807, 8.0783, 32.2404)
contains.

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Color

**XYZ(16.6017, 8.0429,
32.1299)**

Conversions

Conversions Part 1

Format	Color
Hex	8A0B9C
RGB	138, 11, 156
RGB Percent	54%, 4%, 61%
CMY	0.4588, 0.9568, 0.3882
CMYK	0.12, 0.93, 0.00, 0.39
HSL	293°, 87%, 33%
HSV	293°, 93%, 61%
XYZ	16.6017, 8.0429, 32.1299
YIQ	65.5030, 29.1470, 72.0190

Conversions

Conversions Part 2

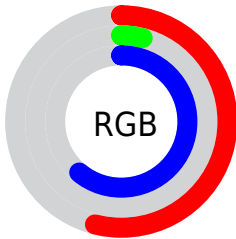
Format	Color
R_{YB}	138, 11, 156
Decimal	9046940
CIE _{Lab}	34.07, 63.67, -46.82
CIE _{LCh}	34, 79.030, 323.670
Yxy	8.0429, 0.2924, 0.1417
Android (android.graphics.Color)	4287237020 (0xFF8A0B9C)
YUV	65.5030, 44.6150, 63.5799
Hunter-Lab	28.3600, 54.8623, -47.3194

Details

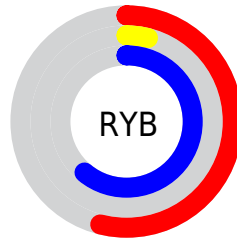
The XYZ color **16.6017, 8.0429, 32.1299** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **12.4558, 24.0625, 4.3049**, and the grayscale version is **5.0327, 5.2948, 5.7661**.

A 20% lighter version of the original color is **37.1322, 22.0426, 63.9256**, and **6.0660, 2.8385, 13.3249** is the 20% darker color. If you saturate the color by 10%, you get **16.2576, 7.6879, 32.0796**, and if you desaturate by 10%, it is **17.1886, 8.7364, 32.2329**.

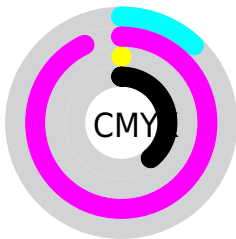
Distribution



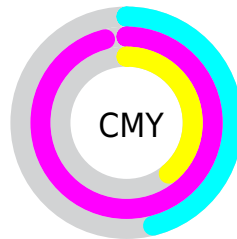
- Red (54%)
- Green (4%)
- Blue (61%)



- Red (54%)
- Yellow (4%)
- Blue (61%)



- Cyan (12%)
- Magenta (93%)
- Yellow (0%)
- Black (39%)




- Cyan (46%)
- Magenta (96%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6017, 8.0429, 32.1299 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 16.6017, 8.0429, 32.1299 by changing the saturation by 10% instead.

 16.6017, 8.0429,
32.1299


 16.6017, 8.0429,
32.1299

226.0678,
176.0681, 326.2215


 10.0445, 4.1224,
21.1951


 37.1888, 22.0425,
64.1149


 5.4909, 1.7423,
13.0741


 51.9493, 32.8904,
86.0023


 2.5758, 0.4508,
7.3482


 70.1749, 46.8162,
112.3775

 0.9336, 0.0000,
3.5991

 92.2311, 64.2044,
143.6592

 0.0000, 0.0000,
1.4081

 118.4831, 85.4393,
180.2659

 0.0000, 0.0000,
0.1480

 149.2963,

 0.0000, 0.0000,

110.9052, 222.6162

0.0000

185.0361,
140.9867, 271.1285

16.6017, 8.0429,
32.1299

16.6017, 8.0429,
32.1299

16.2576, 7.6879,
32.0796

17.1886, 8.7364,
32.2329

17.9700, 9.8107,
32.3991

18.9728, 11.3193,
32.6375

20.2194, 13.3070,
32.9554

21.7294, 15.8127,
33.3595

■ 23.5204, 18.8717,
33.8555

■ 25.6083, 22.5159,
34.4489

■ 28.0080, 26.7748,
35.1445

■ 30.7333, 31.6760,
35.9469

Harmonies

Analogous

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



11.5357, 8.0429, 54.4132



16.6017, 8.0429, 32.1299



19.3970, 8.0429, 11.6858

Triad

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



16.6017, 8.0429, 32.1299



8.6084, 8.0429, 0.0000



2.2444, 8.0429, 22.3956

Complementary

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



16.6017, 8.0429, 32.1299



12.4558, 24.0625, 4.3049

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.



1.9672, 8.0429, 6.3642



16.6017, 8.0429, 32.1299



4.7445, 8.0429, 0.0000

Square

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



16.6017, 8.0429, 32.1299



13.7769, 8.0429, 0.0000



2.6788, 8.0429, 0.8337



3.6707, 8.0429, 45.9338

Rectangle

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



16.6017, 8.0429, 32.1299



19.0518, 8.0429, 4.2147



2.6788, 8.0429, 0.8337



2.0437, 8.0429, 15.7592

Sweetspot

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



16.6021, 8.0432, 32.1301



44.3164, 37.0479, 61.9420



6.6118, 3.4173, 31.7637



9.4287, 7.5915, 13.5387



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.6021, 8.0432, 32.1301



29.4149, 13.9049, 58.2603



16.2701, 8.2834, 13.5302



6.8231, 6.7128, 8.3428



13.4110, 6.3426, 26.4246



0.2603, 0.1240, 0.4734

Inverse Universe

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



14.0519, 7.3962, 1.8497



25.0808, 12.9090, 2.1079



12.9569, 24.2203, 8.8682



6.6649, 6.6589, 7.0865



11.4001, 5.8646, 1.0917



0.2123, 0.1083, 0.0642

Previews

White Background



This preview shows how the XYZ color 16.6017, 8.0429, 32.1299 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

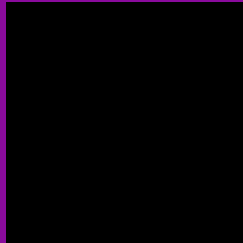
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6017, 8.0429, 32.1299

Background



This preview shows how black text looks on a background with the XYZ color 16.6017, 8.0429, 32.1299.



This preview shows how white text looks on a background with the XYZ color 16.6017, 8.0429,

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

16.6017, 8.0429, 32.1299

Protanopia

9.7710, 8.3820, 37.6621

Deuteranopia

8.6283, 8.4315, 28.7765



Tritanopia

11.4584, 8.3506, 6.1622

Trichromacy



Original Color

16.6017, 8.0429, 32.1299

Protanomaly

9.2454, 5.9608, 35.3136

Deuteranomaly

8.9548, 6.1524, 29.5697

Tritanomaly

12.4761, 7.4539, 12.5856

Monochromacy



Original Color

16.6017, 8.0429, 32.1299

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

7.6428, 5.1302, 12.3918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6017, 8.0429, 32.1299 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(138, 11, 156)` looks like.

```
.text, #text, p{  
    color:rgb(138, 11, 156)  
}
```

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(138, 11, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 11, 156) }
```

Border

The CSS property to change the border of an element to XYZ 16.6017, 8.0429, 32.1299 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(138, 11, 156) }
```


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

```
.border{ border-color:rgb(138, 11, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 11, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 11, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 11, 156);  
box-shadow:4px 4px 4px 4px rgb(138, 11,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6017, 8.0429, 32.1299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 11, 156) }
```

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

```
.background{ background-color: rgb(138, 11,  
156) }
```

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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