

Converting Colors

XYZ(16.5997, 8.2678, 16.1432)

Have a look what the booklet for
XYZ(16.5997, 8.2678, 16.1432)
contains.

XYZ(16.6675, 8.3029, 16.0534)	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(16.6675, 8.3029,
16.0534)**

Conversions

Conversions Part 1

Format	Color
Hex	9C0370
RGB	156, 3, 112
RGB Percent	61%, 1%, 44%
CMY	0.3882, 0.9882, 0.5608
CMYK	0.00, 0.98, 0.28, 0.39
HSL	317°, 96%, 31%
HSV	317°, 98%, 61%
XYZ	16.6675, 8.3029, 16.0534
YIQ	61.1730, 56.1990, 66.3350

Conversions

Conversions Part 2

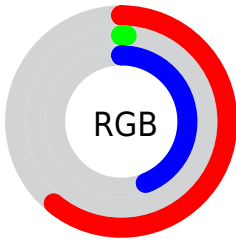
Format	Color
RYB	156, 3, 112
Decimal	10224496
CIELab	34.61, 61.74, -18.41
CIElCh	35, 64.421, 343.399
Yxy	8.3029, 0.4063, 0.2024
Android (android.graphics.Color)	4288414576 (0xFF9C0370)
YUV	61.1730, 25.0577, 83.1633
Hunter-Lab	28.8148, 52.8251, -12.8616

Details

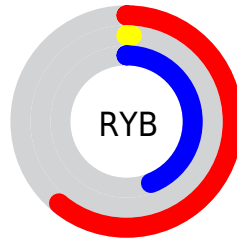
The XYZ color **16.6675, 8.3029, 16.0534** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **12.4398, 24.0019, 6.6686**, and the grayscale version is **4.4216, 4.6518, 5.0659**.

A 20% lighter version of the original color is **37.1568, 22.4253, 37.4921**, and **6.1809, 3.0795, 5.1191** is the 20% darker color. If you saturate the color by 10%, you get **16.5869, 8.2185, 15.7891**, and if you desaturate by 10%, it is **17.1176, 8.7932, 17.4670**.

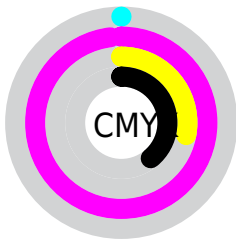
Distribution



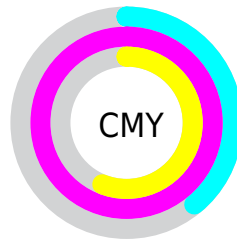
- Red (61%)
- Green (1%)
- Blue (44%)



- Red (61%)
- Yellow (1%)
- Blue (44%)



- Cyan (0%)
- Magenta (98%)
- Yellow (28%)
- Black (39%)




- Cyan (39%)
- Magenta (99%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.6675, 8.3029, 16.0534 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 16.6675, 8.3029, 16.0534 by changing the saturation by 10% instead.


 16.6675, 8.3029,
16.0534


 16.6675, 8.3029,
16.0534


226.4427,
178.0889, 241.5131


 10.0915, 4.2894,
9.4072

 37.3014, 22.5501,
37.4590


 5.5224, 1.8367,
4.9073

 52.0900, 33.5526,
53.0554


 2.5948, 0.5099,
2.1352

 70.3469, 47.6536,
72.4723

 0.9433, 0.0000,
0.6366

 92.4374, 65.2374,
96.1282

 0.0000, 0.0000,
0.0000

 118.7269, 86.6884,
124.4418

 149.5807,

112.3911, 157.8314

185.3642,
142.7298, 196.7156

16.6675, 8.3029,
16.0534

16.6675, 8.3029,
16.0534

16.5869, 8.2185,
15.7891

17.1176, 8.7932,
17.4670

17.7383, 9.6044,
18.9997

18.5744, 10.8262,
20.6674

19.6506, 12.5072,
22.4791

20.9877, 14.6891,
24.4426

■ 22.6044, 17.4090,
26.5649

■ 24.5177, 20.7004,
28.8524

■ 26.7430, 24.5941,
31.3111

■ 29.2948, 29.1187,
33.9465

Harmonies

Analogous

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



13.7364, 8.3029, 32.7912



16.6675, 8.3029, 16.0534



16.8345, 8.3029, 5.1489

Triad

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



16.6675, 8.3029, 16.0534



6.3798, 8.3029, 0.0000



3.8235, 8.3029, 30.9583

Complementary

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



16.6675, 8.3029, 16.0534



12.4398, 24.0019, 6.6686

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.



2.8569, 8.3029, 14.5198



16.6675, 8.3029, 16.0534



3.9965, 8.3029, 0.8989

Square

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



16.6675, 8.3029, 16.0534



10.0626, 8.3029, 0.0000



2.9086, 8.3029, 4.4413



6.0578, 8.3029, 45.0105

Rectangle

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



16.6675, 8.3029, 16.0534



15.2865, 8.3029, 1.8907



2.9086, 8.3029, 4.4413



3.3753, 8.3029, 25.1500

Sweetspot

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



16.6678, 8.3034, 16.0535



43.9708, 36.6265, 51.7571



7.1767, 3.0552, 31.6640



9.3653, 7.5244, 11.0227



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.



16.6678, 8.3034, 16.0535



30.0379, 14.8918, 28.2113



14.0641, 7.2619, 2.3428



6.8228, 6.7220, 7.9177



13.6779, 6.7757, 13.0868



0.2617, 0.1280, 0.3245

Inverse Universe

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



16.6678, 8.3034, 16.0535



30.0379, 14.8918, 28.2113



15.4923, 25.2229, 22.7431



6.8228, 6.7220, 7.9177



13.6779, 6.7757, 13.0868



0.2617, 0.1280, 0.3245

Previews

White Background



This preview shows how the XYZ color 16.6675, 8.3029, 16.0534 looks on a white background.

Color Contrast Check

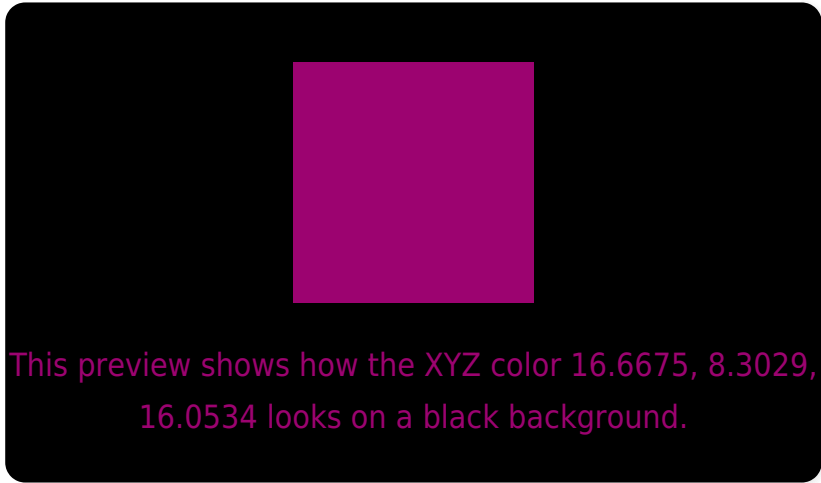
Large Text (above 18pt) WCAG AA ✓ Pass

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

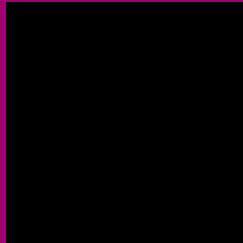
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6675, 8.3029, 16.0534

Background



This preview shows how black text looks on a background with the XYZ color 16.6675, 8.3029, 16.0534.



This preview shows how white text looks on a background with the XYZ color 16.6675, 8.3029,

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

16.6675, 8.3029, 16.0534

Protanopia

10.1898, 9.0092, 34.0028

Deuteranopia

9.0468, 8.8483, 14.5957



Tritanopia

14.1563, 8.5779, 3.4944

Trichromacy



Original Color

16.6675, 8.3029, 16.0534

Protanomaly

9.7229, 6.3382, 26.3021

Deuteranomaly

10.2866, 6.8801, 14.9732

Tritanomaly

14.6817, 8.0932, 6.5827

Monochromacy



Original Color

16.6675, 8.3029, 16.0534

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.0306, 4.5836, 8.1036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6675, 8.3029, 16.0534 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(156, 3, 112)` looks like.

```
.text, #text, p{  
    color:rgb(156, 3, 112)  
}
```

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(156, 3, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 3, 112) }
```

Border

The CSS property to change the border of an element to XYZ 16.6675, 8.3029, 16.0534 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(156, 3, 112) }
```


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

```
.border{ border-color:rgb(156, 3, 112) }
```

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

Here you see how a box with a 4 pixel rgb(156, 3, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 3, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 3, 112);  
box-shadow:4px 4px 4px 4px rgb(156, 3,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6675, 8.3029, 16.0534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 3, 112) }
```

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

```
.background{ background-color: rgb(156, 3,  
112) }
```

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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