

Converting Colors

XYZ(16.2262, 8.3633, 0.8312)

Have a look what the booklet for
XYZ(16.2262, 8.3633, 0.8312)
contains.

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Color

**XYZ(16.1649, 8.3314,
0.8423)**

Conversions

Conversions Part 1

Format	Color
Hex	A80003
RGB	168, 0, 3
RGB Percent	66%, 0%, 1%
CMY	0.3412, 0.9999, 0.9882
CMYK	0.00, 1.00, 0.98, 0.34
HSL	359°, 100%, 33%
HSV	359°, 100%, 66%
XYZ	16.1649, 8.3314, 0.8423
YIQ	50.5740, 99.1650, 36.5490

Conversions

Conversions Part 2

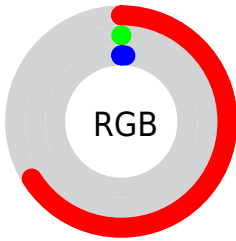
Format	Color
RYB	168, 0, 3
Decimal	11010051
CIELab	34.66, 58.64, 47.72
CIElCh	35, 75.605, 39.134
Yxy	8.3314, 0.6380, 0.3288
Android (android.graphics.Color)	4289200131 (0xFFA80003)
YUV	50.5740, -23.4540, 102.9826
Hunter-Lab	28.8642, 49.4537, 18.4747

Details

The XYZ color **16.1649, 8.3314, 0.8423** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **20.7967, 30.7228, 40.4435**, and the grayscale version is **3.1172, 3.2795, 3.5714**.

A 20% lighter version of the original color is **36.5301, 22.7026, 5.5887**, and **5.9439, 3.0642, 0.2782** is the 20% darker color. If you saturate the color by 10%, you get **16.1646, 8.3313, 0.8415**, and if you desaturate by 10%, it is **16.4680, 8.7691, 1.4635**.

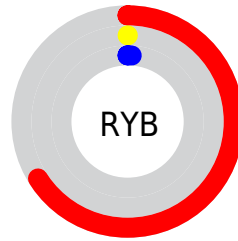
Distribution



Red (66%)

Green (0%)

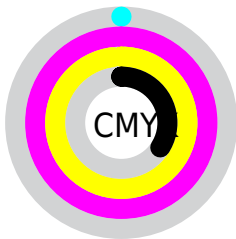
Blue (1%)



Red (66%)

Yellow (0%)

Blue (1%)

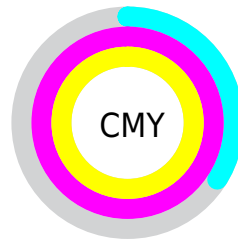


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (34%)



Cyan (34%)


Magenta (100%)

Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.1649, 8.3314, 0.8423 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 16.1649, 8.3314, 0.8423 by changing the saturation by 10% instead.


 16.1649, 8.3314,
0.8423

 16.1649, 8.3314,
0.8423


 223.5641,
178.3087, 100.6189


 9.7325, 4.3077,
0.0000


 36.4394, 22.6056,
5.5414

 5.2829, 1.8471,
0.0000

 51.0122, 33.6249,
10.3779

 2.4506, 0.5163,
0.0000

 69.0291, 47.7449,
17.4323

 0.8704, 0.0000,
0.0000


 90.8557, 65.3500,
27.1229


 0.0000, 0.0000,
0.0000

 116.8570, 86.8245,
39.8683


 147.3987,


112.5528, 56.0871


 182.8459,
142.9195, 76.1978


 16.1649, 8.3314,
0.8423


 16.1649, 8.3314,
0.8423


 16.1646, 8.3313,
0.8415

 16.4680, 8.7691,
1.4635

 17.0283, 9.5750,
2.6202

 17.9386, 10.8952,
4.4667

 19.2435, 12.7959,
7.0876

 20.9809, 15.3337,
10.5556

■ 23.1843, 18.5582,
14.9347

■ 25.8838, 22.5143,
20.2830

■ 29.1072, 27.2430,
26.6538

■ 32.8800, 32.7824,
34.0963

Harmonies

Analogous

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



19.1311, 8.3314, 5.8224



16.1649, 8.3314, 0.8423



11.2243, 8.3314, 0.0000

Triad

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



16.1649, 8.3314, 0.8423



2.4516, 8.3314, 3.0024



9.2975, 8.3314, 57.8620

Complementary

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



16.1649, 8.3314, 0.8423



20.7967, 30.7228, 40.4435

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.



5.3357, 8.3314, 53.6813



16.1649, 8.3314, 0.8423



2.2578, 8.3314, 13.3481

Square

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



16.1649, 8.3314, 0.8423



3.7795, 8.3314, 0.0784



3.0990, 8.3314, 33.5377



14.3265, 8.3314, 42.3534

Rectangle

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



16.1649, 8.3314, 0.8423



8.0436, 8.3314, 0.0000



3.0990, 8.3314, 33.5377



7.7951, 8.3314, 58.8861

Sweetspot

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



16.1651, 8.3319, 0.8424



46.6678, 40.4121, 36.2080



22.0499, 10.5511, 37.9199



9.7214, 8.1483, 7.0006



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



16.1651, 8.3319, 0.8424



29.3250, 15.1152, 1.4834



18.9024, 13.8327, 1.6745



7.5363, 7.5444, 7.8754



12.2090, 6.2923, 0.6462



0.2987, 0.1537, 0.0243

Inverse Universe

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



16.1651, 8.3319, 0.8424



29.3250, 15.1152, 1.4834



10.6917, 10.0744, 38.4266



7.5363, 7.5444, 7.8754



12.2090, 6.2923, 0.6462



0.2987, 0.1537, 0.0243

Previews

White Background



This preview shows how the XYZ color 16.1649, 8.3314, 0.8423 looks on a white background.

Color Contrast Check

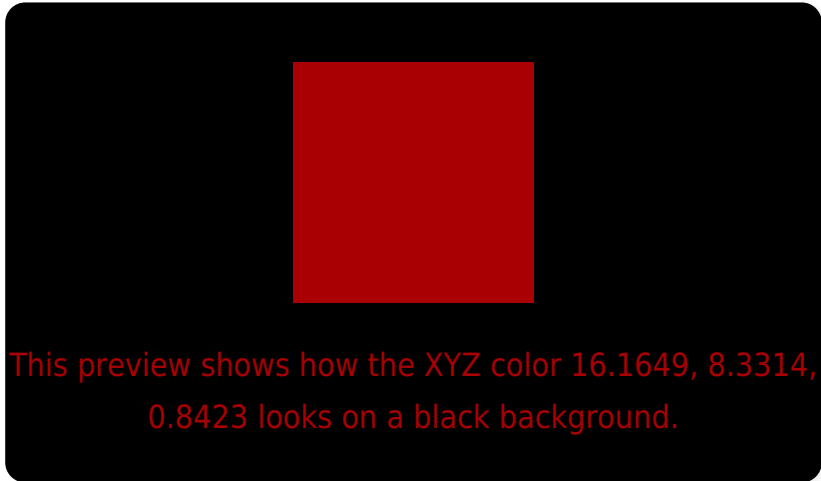
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.1649, 8.3314, 0.8423

Background



This preview shows how black text looks on a background with the XYZ color 16.1649, 8.3314, 0.8423.



This preview shows how white text looks on a background with the XYZ color 16.1649, 8.3314,

0.8423.

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

16.1649, 8.3314, 0.8423

Protanopia

8.1126, 8.9878, 2.0663

Deuteranopia

9.0058, 9.0107, 1.2646



Tritanopia

16.1216, 8.5861, 0.8076

Trichromacy



Original Color

16.1649, 8.3314, 0.8423

Protanomaly

9.4314, 6.8104, 1.2694

Deuteranomaly

10.2867, 7.1253, 0.8619

Tritanomaly

16.0504, 8.4348, 0.8108

Monochromacy



Original Color

16.1649, 8.3314, 0.8423

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

5.4213, 3.5282, 1.9086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.1649, 8.3314, 0.8423 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(168, 0, 3)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 3)  
}
```

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(168, 0, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 3) }
```

Border

The CSS property to change the border of an element to XYZ 16.1649, 8.3314, 0.8423 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(168, 0, 3) }
```


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

```
.border{ border-color:rgb(168, 0, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 0, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(168, 0, 3); box-shadow:4px  
4px 4px 4px rgb(168, 0, 3) }
```

Background

The CSS property to change the background color of an element to XYZ 16.1649, 8.3314, 0.8423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 0, 3) }
```

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

```
.background{ background-color: rgb(168, 0,  
3) }
```

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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