

Converting Colors

XYZ(16.5263, 8.4211, 5.2242)

Have a look what the booklet for
XYZ(16.5263, 8.4211, 5.2242)
contains.

XYZ(16.5682, 8.4439, 5.1715)	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(16.5682, 8.4439,
5.1715)**

Conversions

Conversions Part 1

Format	Color
Hex	A6003D
RGB	166, 0, 61
RGB Percent	65%, 0%, 24%
CMY	0.3490, 0.9999, 0.7608
CMYK	0.00, 1.00, 0.63, 0.35
HSL	338°, 100%, 33%
HSV	338°, 100%, 65%
XYZ	16.5682, 8.4439, 5.1715
YIQ	56.5880, 79.3550, 54.1630

Conversions

Conversions Part 2

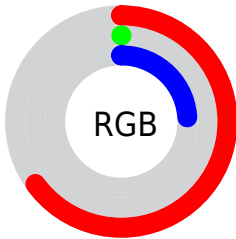
Format	Color
RYB	166, 0, 61
Decimal	10879037
CIELab	34.89, 59.95, 15.31
CIElCh	35, 61.875, 14.329
Yxy	8.4439, 0.5489, 0.2798
Android (android.graphics.Color)	4289069117 (0xFFA6003D)
YUV	56.5880, 2.1751, 95.9543
Hunter-Lab	29.0584, 50.9230, 9.7891

Details

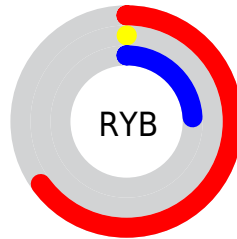
The XYZ color **16.5682, 8.4439, 5.1715** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.1875, 28.2929, 17.9790**, and the grayscale version is **3.8268, 4.0261, 4.3844**.

A 20% lighter version of the original color is **37.1097, 22.8624, 16.6443**, and **6.0701, 3.1147, 0.9431** is the 20% darker color. If you saturate the color by 10%, you get **16.5677, 8.4437, 5.1693**, and if you desaturate by 10%, it is **17.0740, 8.9577, 6.8752**.

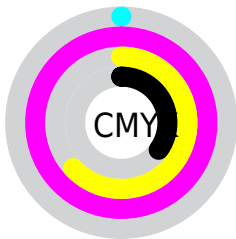
Distribution



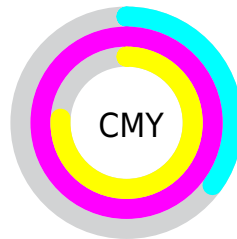
- Red (65%)
- Green (0%)
- Blue (24%)



- Red (65%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (35%)




- Cyan (35%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5682, 8.4439, 5.1715 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 16.5682, 8.4439, 5.1715 by changing the saturation by 10% instead.


 16.5682, 8.4439,
5.1715


 16.5682, 8.4439,
5.1715


225.8767,
179.1734, 160.4715


 10.0205, 4.3803,
2.2877


 37.1314, 22.8242,
16.6323


 5.4749, 1.8885,
0.7243

 51.8776, 33.9096,
26.0464


 2.5661, 0.5414,
0.0000

 70.0873, 48.1045,
38.4744

 0.9287, 0.0000,
0.0000

 92.1260, 65.7931,
54.3349

 0.0000, 0.0000,
0.0000

 118.3589, 87.3599,
74.0462

 149.1514,

113.1893, 98.0271

184.8689,
143.6657, 126.6960

16.5682, 8.4439,
5.1715

16.5682, 8.4439,
5.1715

16.5677, 8.4437,
5.1693

17.0740, 8.9577,
6.8752

17.7991, 9.8164,
8.9400

18.8129, 11.1548,
11.4029

20.1474, 13.0326,
14.2873

21.8303, 15.5010,
17.6145

■ 23.8858, 18.6049,
21.4041

■ 26.3359, 22.3851,
25.6742

■ 29.2011, 26.8788,
30.4421

■ 32.5002, 32.1203,
35.7240

Harmonies

Analogous

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



16.5015, 8.4439, 15.5122



16.5682, 8.4439, 5.1715



13.9302, 8.4439, 1.1998

Triad

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



16.5682, 8.4439, 5.1715



4.1539, 8.4439, 1.1188



6.3274, 8.4439, 43.5149

Complementary

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



16.5682, 8.4439, 5.1715



16.1875, 28.2929, 17.9790

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.



4.0818, 8.4439, 30.5831



16.5682, 8.4439, 5.1715



3.1018, 8.4439, 4.8773

Square

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



16.5682, 8.4439, 5.1715



6.4595, 8.4439, 0.0144



3.0800, 8.4439, 14.8967



9.8265, 8.4439, 43.8482

Rectangle

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



16.5682, 8.4439, 5.1715



11.3420, 8.4439, 0.3068



3.0800, 8.4439, 14.8967



5.4284, 8.4439, 40.2274

Sweetspot

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



16.5684, 8.4444, 5.1716



47.5230, 40.2001, 46.1289



12.4054, 5.6005, 36.5034



10.2150, 8.3457, 9.5999



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.



16.5684, 8.4444, 5.1716



29.9753, 15.2872, 8.8886



15.9655, 8.5860, 0.8165



7.6408, 7.5862, 8.4256



12.8684, 6.5561, 4.1187



0.3378, 0.1694, 0.2301

Inverse Universe

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



16.5684, 8.4444, 5.1716



29.9753, 15.2872, 8.8886



17.2604, 23.5077, 39.7040



7.6408, 7.5862, 8.4256



12.8684, 6.5561, 4.1187



0.3378, 0.1694, 0.2301

Previews

White Background



This preview shows how the XYZ color 16.5682, 8.4439, 5.1715 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



This preview shows how the XYZ color 16.5682, 8.4439, 5.1715 looks on a 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 16.5682, 8.4439, 5.1715

Background



This preview shows how black text looks on a background with the XYZ color 16.5682, 8.4439, 5.1715.



This preview shows how white text looks on a background with the XYZ color 16.5682, 8.4439,

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

16.5682, 8.4439, 5.1715

Protanopia

8.7980, 9.1496, 10.7535

Deuteranopia

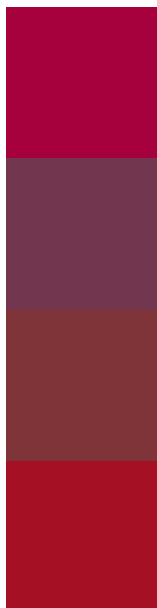
9.2018, 9.0348, 4.7489



Tritanopia

16.0095, 8.7525, 1.6047

Trichromacy



Original Color

16.5682, 8.4439, 5.1715

Protanomaly

9.6699, 6.7803, 8.1962

Deuteranomaly

10.5707, 7.1870, 4.7010

Tritanomaly

16.0208, 8.4973, 2.4648

Monochromacy



Original Color

16.5682, 8.4439, 5.1715

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.3244, 4.1086, 4.4627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5682, 8.4439, 5.1715 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(166, 0, 61)` looks like.

```
.text, #text, p{  
    color:rgb(166, 0, 61)  
}
```

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(166, 0, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 61) }
```

Border

The CSS property to change the border of an element to XYZ 16.5682, 8.4439, 5.1715 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(166, 0, 61) }
```


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

```
.border{ border-color:rgb(166, 0, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 0, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 61);  
box-shadow:4px 4px 4px 4px rgb(166, 0, 61)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.5682, 8.4439, 5.1715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 0, 61) }
```

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

```
.background{ background-color: rgb(166, 0,  
61) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor