

Converting Colors

XYZ(16.5516, 8.4312, 5.3575)

Have a look what the booklet for
XYZ(16.5516, 8.4312, 5.3575)
contains.

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Color

**XYZ(16.5954, 8.4548,
5.3147)**

Conversions

Conversions Part 1

Format	Color
Hex	A6003E
RGB	166, 0, 62
RGB Percent	65%, 0%, 24%
CMY	0.3490, 0.9999, 0.7569
CMYK	0.00, 1.00, 0.63, 0.35
HSL	338°, 100%, 33%
HSV	338°, 100%, 65%
XYZ	16.5954, 8.4548, 5.3147
YIQ	56.7020, 79.0340, 54.4740

Conversions

Conversions Part 2

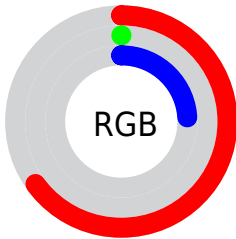
Format	Color
RYB	166, 0, 62
Decimal	10879038
CIELab	34.91, 60.01, 14.69
CIELCh	35, 61.780, 13.754
Yxy	8.4548, 0.5465, 0.2784
Android (android.graphics.Color)	4289069118 (0xFFA6003E)
YUV	56.7020, 2.6119, 95.8543
Hunter-Lab	29.0771, 50.9916, 9.5170

Details

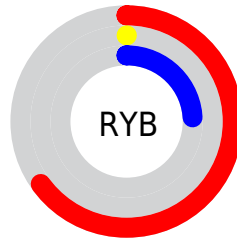
The XYZ color **16.5954, 8.4548, 5.3147** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **16.1365, 28.2725, 17.7101**, and the grayscale version is **3.8412, 4.0413, 4.4010**.

A 20% lighter version of the original color is **37.1633, 22.8838, 16.9263**, and **6.0792, 3.1183, 0.9910** is the 20% darker color. If you saturate the color by 10%, you get **16.5949, 8.4546, 5.3124**, and if you desaturate by 10%, it is **17.1034, 8.9695, 7.0297**.

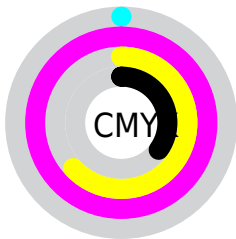
Distribution



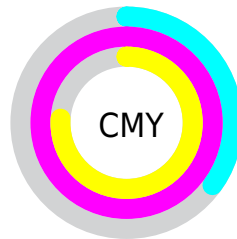
- Red (65%)
- Green (0%)
- Blue (24%)



- 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 16.5954, 8.4548, 5.3147 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 16.5954, 8.4548, 5.3147 by changing the saturation by 10% instead.


 16.5954, 8.4548,
5.3147


 16.5954, 8.4548,
5.3147


226.0319,
179.2570, 161.8767


 10.0400, 4.3873,
2.3711


 37.1780, 22.8453,
16.9434


 5.4879, 1.8925,
0.7707


 51.9358, 33.9372,
26.4656


 2.5740, 0.5439,
0.0000

 70.1585, 48.1392,
39.0178

 0.9327, 0.0000,
0.0000

 92.2113, 65.8359,
55.0184

 0.0000, 0.0000,
0.0000

 118.4597, 87.4117,
74.8861

 149.2691,

113.2508, 99.0393

185.0047,
143.7378, 127.8967

16.5954, 8.4548,
5.3147

16.5954, 8.4548,
5.3147

16.5949, 8.4546,
5.3124

17.1034, 8.9695,
7.0297

17.8297, 9.8288,
9.1013

18.8439, 11.1673,
11.5659

20.1778, 13.0448,
14.4466

21.8588, 15.5125,
17.7641

■ 23.9112, 18.6153,
21.5378

■ 26.3572, 22.3938,
25.7853

■ 29.2168, 26.8852,
30.5237

■ 32.5089, 32.1241,
35.7687

Harmonies

Analogous

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



16.4718, 8.4548, 15.7847



16.5954, 8.4548, 5.3147



14.0028, 8.4548, 1.2448

Triad

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



16.5954, 8.4548, 5.3147



4.1969, 8.4548, 1.0939



6.2829, 8.4548, 43.3166

Complementary

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



16.5954, 8.4548, 5.3147



16.1365, 28.2725, 17.7101

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.



4.0630, 8.4548, 30.2522



16.5954, 8.4548, 5.3147



3.1225, 8.4548, 4.7684

Square

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



16.5954, 8.4548, 5.3147



6.5280, 8.4548, 0.0130



3.0820, 8.4548, 14.6436



9.7601, 8.4548, 43.9339

Rectangle

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



16.5954, 8.4548, 5.3147



11.4266, 8.4548, 0.3344



3.0820, 8.4548, 14.6436



5.3928, 8.4548, 39.9597

Sweetspot

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



16.5956, 8.4553, 5.3148



47.5617, 40.2155, 46.3326



12.4054, 5.6006, 36.5034



10.2245, 8.3495, 9.6495



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.



16.5956, 8.4553, 5.3148



30.0237, 15.3065, 9.1436



15.9655, 8.5861, 0.8165



7.6426, 7.5869, 8.4353



12.8897, 6.5646, 4.2306



0.3384, 0.1696, 0.2336

Inverse Universe

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



16.5956, 8.4553, 5.3148



30.0237, 15.3065, 9.1436



17.2604, 23.5078, 39.7040



7.6426, 7.5869, 8.4353



12.8897, 6.5646, 4.2306



0.3384, 0.1696, 0.2336

Previews

White Background



This preview shows how the XYZ color 16.5954, 8.4548, 5.3147 looks on a white background.

Color Contrast Check

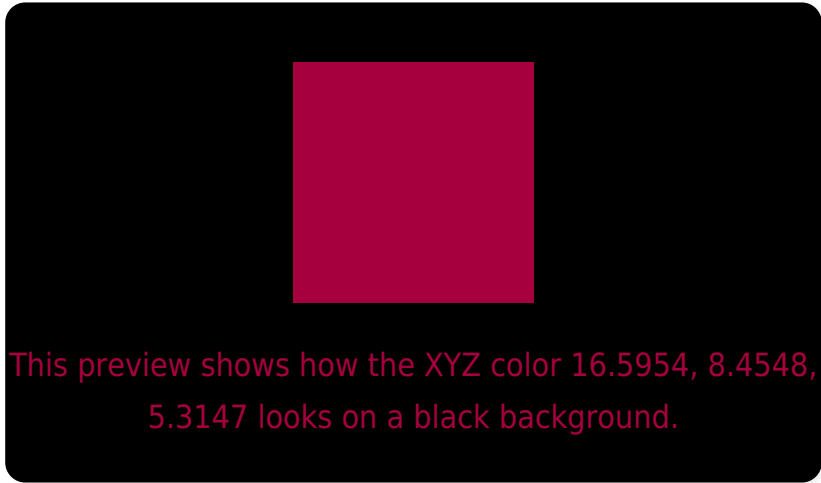
Large Text (above 18pt) WCAG AA ✓ Pass

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

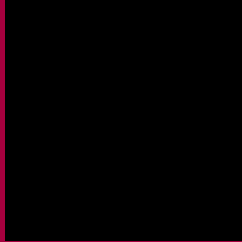
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5954, 8.4548, 5.3147

Background



This preview shows how black text looks on a background with the XYZ color 16.5954, 8.4548, 5.3147.



This preview shows how white text looks on a background with the XYZ color 16.5954, 8.4548,

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

16.5954, 8.4548, 5.3147

Protanopia

8.8831, 9.1836, 11.2020

Deuteranopia

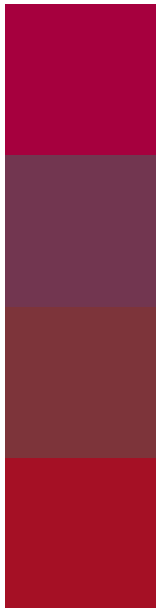
9.1115, 8.9855, 4.8686



Tritanopia

16.0193, 8.7565, 1.6565

Trichromacy



Original Color

16.5954, 8.4548, 5.3147

Protanomaly

9.7066, 6.7949, 8.3894

Deuteranomaly

10.4492, 7.1214, 4.8268

Tritanomaly

16.0363, 8.5035, 2.5464

Monochromacy



Original Color

16.5954, 8.4548, 5.3147

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.3501, 4.1189, 4.5980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5954, 8.4548, 5.3147 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, 62)` looks like.

```
.text, #text, p{  
  color:rgb(166, 0, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 0, 62) }
```

Border

The CSS property to change the border of an element to XYZ 16.5954, 8.4548, 5.3147 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, 62) }
```


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

```
.border{ border-color:rgb(166, 0, 62) }
```

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, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 0, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 0, 62);  
box-shadow:4px 4px 4px 4px rgb(166, 0, 62)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.5954, 8.4548, 5.3147 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, 62) }
```

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

```
.background{ background-color: rgb(166, 0,  
62) }
```

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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