

Converting Colors

XYZ(16.6458, 8.7753, 5.2123)

Have a look what the booklet for
XYZ(16.6458, 8.7753, 5.2123)
contains.

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Color

**XYZ(16.5598, 8.7372,
5.2285)**

Conversions

Conversions Part 1

Format	Color
Hex	A5113D
RGB	165, 17, 61
RGB Percent	65%, 7%, 24%
CMY	0.3529, 0.9333, 0.7608
CMYK	0.00, 0.90, 0.63, 0.35
HSL	342°, 81%, 36%
HSV	342°, 90%, 65%
XYZ	16.5598, 8.7372, 5.2285
YIQ	66.2680, 74.0840, 45.0600

Conversions

Conversions Part 2

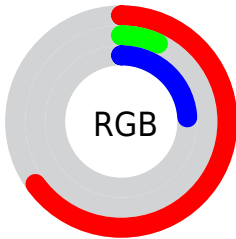
Format	Color
R_{YB}	165, 17, 61
Decimal	10817853
CIE Lab	35.47, 57.39, 16.05
CIE LCh	35, 59.595, 15.626
Yxy	8.7372, 0.5425, 0.2862
Android (android.graphics.Color)	4289007933 (0xFFA5113D)
YUV	66.2680, -2.5971, 86.5880
Hunter-Lab	29.5588, 48.2738, 10.2036

Details

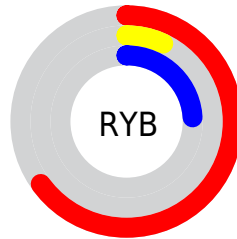
The XYZ color **16.5598, 8.7372, 5.2285** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **17.1390, 28.4104, 22.6760**, and the grayscale version is **5.2176, 5.4893, 5.9778**.

A 20% lighter version of the original color is **37.1641, 23.4380, 16.7526**, and **6.0701, 3.1147, 0.9431** is the 20% darker color. If you saturate the color by 10%, you get **16.0855, 8.2358, 3.6925**, and if you desaturate by 10%, it is **17.2646, 9.5918, 7.1748**.

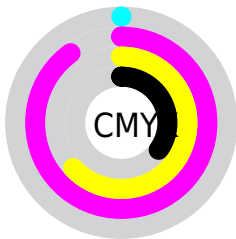
Distribution



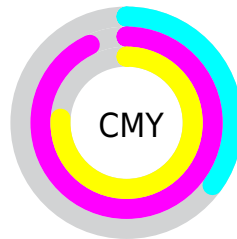
- Red (65%)
- Green (7%)
- Blue (24%)



- Red (65%)
- Yellow (7%)
- Blue (24%)



- Cyan (0%)
- Magenta (90%)
- Yellow (63%)
- Black (35%)





- Cyan (35%)
- Magenta (93%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5598, 8.7372, 5.2285 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 16.5598, 8.7372, 5.2285 by changing the saturation by 10% instead.


 16.5598, 8.7372,
5.2285


 16.5598, 8.7372,
5.2285

225.8287,
181.4051, 161.0329


 10.0145, 4.5702,
2.3209


 37.1170, 23.3915,
16.7564


 5.4709, 1.9973,
0.7429

 51.8596, 34.6475,
26.2137


 2.5637, 0.6059,
0.0000

 70.0654, 49.0353,
38.6913

 0.9275, 0.0000,
0.0000

 92.0996, 66.9393,
54.6078

 0.0000, 0.0000,
0.0000

 118.3277, 88.7439,
74.3816

 149.1150,

114.8335, 98.4314

184.8269,
145.5924, 127.1757

■ 16.5598, 8.7372,
5.2285

■ 16.5598, 8.7372,
5.2285

■ 16.0855, 8.2358,
3.6925

■ 17.2646, 9.5918,
7.1748

■ 16.0721, 8.2213,
3.6497

■ 18.2662, 10.9253,
9.5731

■ 19.5973, 12.7974,
12.4526

■ 21.2859, 15.2586,
15.8396

■ 23.3568, 18.3533,
19.7582

■ 25.8328, 22.1220,
24.2311

■ 28.7344, 26.6014,
29.2795

■ 32.0811, 31.8260,
34.9233

■ 35.8909, 37.8275,
41.1817

Harmonies

Analogous

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



16.6198, 8.7372, 15.1082



16.5598, 8.7372, 5.2285



13.9185, 8.7372, 1.3377

Triad

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



16.5598, 8.7372, 5.2285



4.3808, 8.7372, 1.4194



6.7515, 8.7372, 42.7735

Complementary

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



16.5598, 8.7372, 5.2285



17.1390, 28.4104, 22.6760

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.



4.4486, 8.7372, 30.8398



16.5598, 8.7372, 5.2285



3.3625, 8.7372, 5.5047

Square

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



16.5598, 8.7372, 5.2285



6.6292, 8.7372, 0.2635



3.3832, 8.7372, 15.6656



10.2405, 8.7372, 42.4789

Rectangle

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



16.5598, 8.7372, 5.2285



11.3836, 8.7372, 0.4808



3.3832, 8.7372, 15.6656



5.8376, 8.7372, 39.8250

Sweetspot

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



16.5600, 8.7377, 5.2286



47.3365, 41.2648, 45.2870



14.8223, 7.1547, 36.1968



10.0086, 8.4993, 9.2994



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.5600, 8.7377, 5.2286



28.7057, 14.6926, 6.1230



16.6195, 10.0423, 1.5936



7.1564, 7.1190, 7.8098



12.1785, 6.2275, 2.8647



0.2757, 0.1388, 0.1646

Inverse Universe

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



16.5600, 8.7377, 5.2286



28.7057, 14.6926, 6.1230



15.7434, 20.2768, 38.6811



7.1564, 7.1190, 7.8098



12.1785, 6.2275, 2.8647



0.2757, 0.1388, 0.1646

Previews

White Background



This preview shows how the XYZ color 16.5598, 8.7372, 5.2285 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 16.5598, 8.7372, 5.2285 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

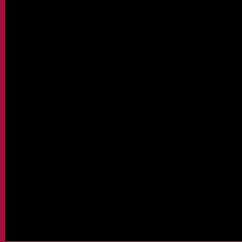
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5598, 8.7372, 5.2285

Background



This preview shows how black text looks on a background with the XYZ color 16.5598, 8.7372, 5.2285.



This preview shows how white text looks on a background with the XYZ color 16.5598, 8.7372,

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

16.5598, 8.7372, 5.2285

Protanopia

8.8477, 9.1800, 10.5381

Deuteranopia

9.2767, 9.1845, 4.7739



Tritanopia

15.9229, 8.8022, 1.8967

Trichromacy



Original Color

16.5598, 8.7372, 5.2285

Protanomaly

10.0612, 7.4266, 8.1109

Deuteranomaly

10.8558, 7.7571, 4.7960

Tritanomaly

16.0027, 8.6923, 2.7538

Monochromacy



Original Color

16.5598, 8.7372, 5.2285

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

7.4619, 5.3089, 5.4819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5598, 8.7372, 5.2285 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(165, 17, 61)` looks like.

```
.text, #text, p{  
    color:rgb(165, 17, 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(165, 17, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 17, 61) }
```

Border

The CSS property to change the border of an element to XYZ 16.5598, 8.7372, 5.2285 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(165, 17, 61) }
```


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

```
.border{ border-color:rgb(165, 17, 61) }
```

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

Here you see how a box with a 4 pixel rgb(165, 17, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 17, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 17, 61);  
box-shadow:4px 4px 4px 4px rgb(165, 17,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5598, 8.7372, 5.2285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 17, 61) }
```

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

```
.background{ background-color: rgb(165, 17,  
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](#).

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