

Converting Colors

XYZ(16.8134, 9.0224, 4.9249)

Have a look what the booklet for
XYZ(16.8134, 9.0224, 4.9249)
contains.

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Color

**XYZ(16.7960, 9.0253,
4.8598)**

Conversions

Conversions Part 1

Format	Color
Hex	A6173A
RGB	166, 23, 58
RGB Percent	65%, 9%, 23%
CMY	0.3490, 0.9097, 0.7725
CMYK	0.00, 0.86, 0.65, 0.35
HSL	345°, 76%, 37%
HSV	345°, 86%, 65%
XYZ	16.7960, 9.0253, 4.8598
YIQ	69.7470, 73.9930, 41.2010

Conversions

Conversions Part 2

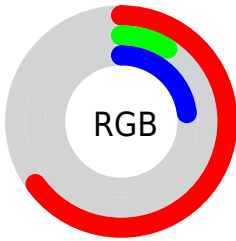
Format	Color
RYB	166, 23, 58
Decimal	10884922
CIELab	36.03, 56.30, 18.77
CIELCh	36, 59.347, 18.436
Yxy	9.0253, 0.5474, 0.2942
Android (android.graphics.Color)	4289075002 (0xFFA6173A)
YUV	69.7470, -5.7913, 84.4139
Hunter-Lab	30.0421, 47.2223, 11.4384

Details

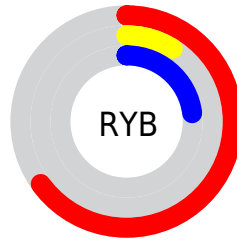
The XYZ color **16.7960, 9.0253, 4.8598** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **18.0876, 29.0937, 26.1404**, and the grayscale version is **5.7815, 6.0826, 6.6239**.

A 20% lighter version of the original color is **37.5561, 24.0064, 16.0189**, and **6.0374, 3.1016, 0.7707** is the 20% darker color. If you saturate the color by 10%, you get **16.2780, 8.4393, 3.3005**, and if you desaturate by 10%, it is **17.5943, 10.0478, 6.8960**.

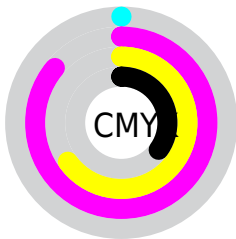
Distribution



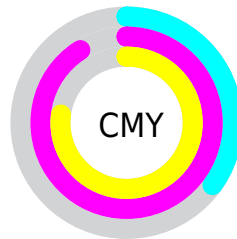
- Red (65%)
- Green (9%)
- Blue (23%)



- Red (65%)
- Yellow (9%)
- Blue (23%)



- Cyan (0%)
- Magenta (86%)
- Yellow (65%)
- Black (35%)





- Cyan (35%)
- Magenta (91%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7960, 9.0253, 4.8598 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 16.7960, 9.0253, 4.8598 by changing the saturation by 10% instead.


 16.7960, 9.0253,
4.8598


 16.7960, 9.0253,
4.8598


227.1733,
183.5665, 157.3500


 10.1836, 4.7577,
2.1079


 37.5211, 23.9453,
15.9486


 5.5840, 2.1058,
0.6205

 52.3644, 35.3664,
25.1227


 2.6321, 0.6679,
0.0000

 70.6821, 49.9409,
37.2746

 0.9623, 0.0000,
0.0000

 92.8395, 68.0530,
52.8228

 0.0000, 0.0000,
0.0000

 119.2020, 90.0873,
72.1859

 150.1349,

116.4280, 95.7824

186.0035,
147.4596, 124.0310

■ 16.7960, 9.0253,
4.8598

■ 16.7960, 9.0253,
4.8598

■ 16.2780, 8.4393,
3.3005

■ 17.5943, 10.0478,
6.8960

■ 16.1193, 8.2644,
2.8084

■ 18.7147, 11.5820,
9.4484

■ 20.1899, 13.6853,
12.5511

■ 22.0478, 16.4071,
16.2351

■ 24.3138, 19.7912,
20.5289

■ 27.0107, 23.8775,
25.4591

■ 30.1600, 28.7028,
31.0505

■ 33.7813, 34.3012,
37.3269

■ 37.8935, 40.7047,
44.3106

Harmonies

Analogous

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



17.1288, 9.0253, 14.2781



16.7960, 9.0253, 4.8598



13.9359, 9.0253, 1.2659

Triad

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



16.7960, 9.0253, 4.8598



4.4253, 9.0253, 1.7360



7.2843, 9.0253, 43.9921

Complementary

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



16.7960, 9.0253, 4.8598



18.0876, 29.0937, 26.1404

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.



4.8070, 9.0253, 32.8333



16.7960, 9.0253, 4.8598



3.4868, 9.0253, 6.4129

Square

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



16.7960, 9.0253, 4.8598



6.5999, 9.0253, 0.4072



3.6040, 9.0253, 17.3747



10.9170, 9.0253, 42.3692

Rectangle

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



16.7960, 9.0253, 4.8598



11.3325, 9.0253, 0.4847



3.6040, 9.0253, 17.3747



6.3109, 9.0253, 41.4117

Sweetspot

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



16.7962, 9.0258, 4.8599



48.8383, 43.0554, 45.8748



16.4345, 8.1325, 36.7797



10.5472, 9.0542, 9.5742



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.



16.7962, 9.0258, 4.8599



29.1844, 14.9708, 4.7236



17.4323, 11.2724, 2.0684



7.6036, 7.5713, 8.2297



12.5160, 6.4151, 2.2627



0.3240, 0.1639, 0.1579

Inverse Universe

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



16.7962, 9.0258, 4.8599



29.1844, 14.9708, 4.7236



15.2530, 18.9683, 38.9335



7.6036, 7.5713, 8.2297



12.5160, 6.4151, 2.2627



0.3240, 0.1639, 0.1579

Previews

White Background



This preview shows how the XYZ color 16.7960, 9.0253, 4.8598 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 16.7960, 9.0253, 4.8598 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 16.7960, 9.0253, 4.8598

Background



This preview shows how black text looks on a background with the XYZ color 16.7960, 9.0253, 4.8598.



This preview shows how white text looks on a background with the XYZ color 16.7960, 9.0253,

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

16.7960, 9.0253, 4.8598

Protanopia

9.0089, 9.4040, 9.5239

Deuteranopia

9.5165, 9.4288, 4.4503



Tritanopia

16.2414, 9.0730, 2.1236

Trichromacy



Original Color

16.7960, 9.0253, 4.8598

Protanomaly

10.3497, 7.8313, 7.4447

Deuteranomaly

11.0870, 8.1159, 4.4722

Tritanomaly

16.3153, 8.9830, 2.8815

Monochromacy



Original Color

16.7960, 9.0253, 4.8598

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

8.0822, 5.9428, 5.8754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7960, 9.0253, 4.8598 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, 23, 58)` looks like.

```
.text, #text, p{  
    color:rgb(166, 23, 58)  
}
```

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, 23, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 23, 58) }
```

Border

The CSS property to change the border of an element to XYZ 16.7960, 9.0253, 4.8598 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, 23, 58) }
```


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

```
.border{ border-color:rgb(166, 23, 58) }
```

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

Here you see how a box with a 4 pixel rgb(166, 23, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 23, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 23, 58);  
box-shadow:4px 4px 4px 4px rgb(166, 23,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7960, 9.0253, 4.8598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 23, 58) }
```

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

```
.background{ background-color: rgb(166, 23,  
58) }
```

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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