

Converting Colors

XYZ(16.5870, 11.6349, 8.9609)

Have a look what the booklet for
XYZ(16.5870, 11.6349, 8.9609)
contains.

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Color

**XYZ(16.5870, 11.6349,
8.9609)**

Conversions

Conversions Part 1

Format	Color
Hex	984650
RGB	152, 70, 80
RGB Percent	60%, 27%, 31%
CMY	0.4039, 0.7255, 0.6863
CMYK	0.00, 0.54, 0.47, 0.40
HSL	353°, 37%, 44%
HSV	353°, 54%, 60%
XYZ	16.5870, 11.6349, 8.9609
YIQ	95.6580, 45.6620, 20.4940

Conversions

Conversions Part 2

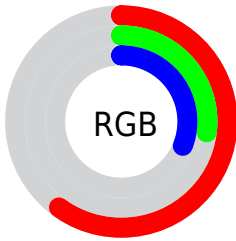
Format	Color
R_{YB}	152, 70, 80
Decimal	9979472
CIE _{Lab}	40.63, 35.32, 10.64
CIE _{LCh}	41, 36.887, 16.769
Yxy	11.6349, 0.4461, 0.3129
Android (android.graphics.Color)	4288169552 (0xFF984650)
YUV	95.6580, -7.7194, 49.4119
Hunter-Lab	34.1100, 27.1086, 8.3011

Details

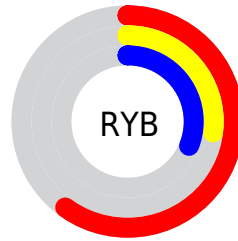
The XYZ color **16.5870, 11.6349, 8.9609** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **18.6372, 25.7118, 29.5735**, and the grayscale version is **11.0461, 11.6214, 12.6557**.

A 20% lighter version of the original color is **37.0943, 28.8150, 24.3757**, and **5.4811, 3.1345, 1.9852** is the 20% darker color. If you saturate the color by 10%, you get **15.3085, 9.7904, 6.3387**, and if you desaturate by 10%, it is **18.2047, 14.0012, 12.1798**.

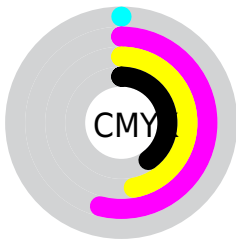
Distribution



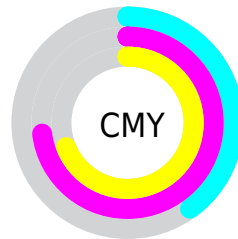
- Red (60%)
- Green (27%)
- Blue (31%)



- Red (60%)
- Yellow (27%)
- Blue (31%)



- Cyan (0%)
- Magenta (54%)
- Yellow (47%)
- Black (40%)





- Cyan (40%)
- Magenta (73%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5870, 11.6349, 8.9609 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 16.5870, 11.6349, 8.9609 by changing the saturation by 10% instead.


 16.5870, 11.6349,
8.9609


 16.5870, 11.6349,
8.9609

225.9839,
201.9730, 193.2933


 10.0339, 6.4956,
4.6192


 37.1636, 28.8284,
24.3983


 5.4839, 3.1487,
1.9708

 51.9178, 41.6513,
36.3311

 2.5715, 1.2099,
0.5373

 70.1365, 57.8043,
51.6313

 0.9315, 0.0697,
0.0000

 92.1850, 77.6717,
70.7176

 0.0000, 0.0000,
0.0000

 118.4286,
101.6378, 94.0083

149.2327,

130.0872, 121.9222

184.9627,
163.4041, 154.8777

■ 16.5870, 11.6349,
8.9609

■ 16.5870, 11.6349,
8.9609

■ 15.3085, 9.7904,
6.3387

■ 18.2047, 14.0012,
12.1798

■ 14.3441, 8.4263,
4.2756

■ 20.1827, 16.9227,
16.0284

■ 13.6662, 7.4984,
2.7309

■ 22.5415, 20.4323,
20.5383

■ 13.2421, 6.9526,
1.6576

■ 25.2995, 24.5598,
25.7384

■ 13.0624, 6.7208,
1.2040

■ 28.4742, 29.3329,
31.6562

■ 32.0820, 34.7777,
38.3175

■ 36.1382, 40.9188,
45.7470

■ 40.6576, 47.7796,
53.9681

■ 45.6542, 55.3824,
63.0032

Harmonies

Analogous

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



16.6922, 11.6349, 16.2470



16.5870, 11.6349, 8.9609



14.8603, 11.6349, 4.8224

Triad

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



16.5870, 11.6349, 8.9609



7.7932, 11.6349, 5.1592



9.9504, 11.6349, 32.4162

Complementary

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



16.5870, 11.6349, 8.9609



18.6372, 25.7118, 29.5735

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.



7.9679, 11.6349, 26.2739



16.5870, 11.6349, 8.9609



6.8609, 11.6349, 9.6582

Square

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



16.5870, 11.6349, 8.9609



9.6743, 11.6349, 3.2941



6.9194, 11.6349, 17.2791



12.5691, 11.6349, 31.9888

Rectangle

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



16.5870, 11.6349, 8.9609



13.1563, 11.6349, 3.5247



6.9194, 11.6349, 17.2791



9.1967, 11.6349, 30.9734

Sweetspot

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



16.5873, 11.6355, 8.9611



43.4386, 41.5249, 43.1456



18.8539, 12.3165, 31.0893



9.6602, 9.1193, 9.4059



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.5873, 11.6355, 8.9611



26.5784, 16.6494, 10.2581



18.6184, 16.2454, 7.9496



6.2379, 6.2343, 6.6330



10.9593, 5.6380, 1.0449



0.1708, 0.0871, 0.0524

Inverse Universe

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



16.5873, 11.6355, 8.9611



26.5784, 16.6494, 10.2581



15.1452, 17.4724, 32.2799



6.2379, 6.2343, 6.6330



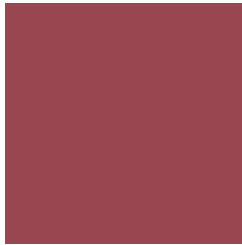
10.9593, 5.6380, 1.0449



0.1708, 0.0871, 0.0524

Previews

White Background



This preview shows how the XYZ color 16.5870, 11.6349, 8.9609 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 × Fail

Black Background



This preview shows how the XYZ color 16.5870, 11.6349, 8.9609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

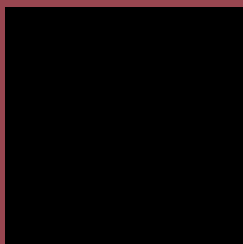
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5870, 11.6349, 8.9609

Background



This preview shows how black text looks on a background with the XYZ color 16.5870, 11.6349, 8.9609.



This preview shows how white text looks on a background with the XYZ color 16.5870, 11.6349,

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

16.5870, 11.6349, 8.9609

Protanopia

11.3042, 11.8087, 12.0394

Deuteranopia

12.0289, 11.8612, 8.4929



Tritanopia

16.5066, 11.7037, 8.2265

Trichromacy



Original Color

16.5870, 11.6349, 8.9609

Protanomaly

12.6409, 11.3725, 10.7614

Deuteranomaly

13.3405, 11.5448, 8.5464

Tritanomaly

16.5417, 11.7177, 8.4111

Monochromacy



Original Color

16.5870, 11.6349, 8.9609

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.4561, 11.2676, 11.1912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5870, 11.6349, 8.9609 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(152, 70, 80)` looks like.

```
.text, #text, p{  
    color:rgb(152, 70, 80)  
}
```

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(152, 70, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 70, 80) }
```

Border

The CSS property to change the border of an element to XYZ 16.5870, 11.6349, 8.9609 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(152, 70, 80) }
```


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

```
.border{ border-color:rgb(152, 70, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 70, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 70, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 70, 80);  
box-shadow:4px 4px 4px 4px rgb(152, 70,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5870, 11.6349, 8.9609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 70, 80) }
```

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

```
.background{ background-color: rgb(152, 70,  
80) }
```

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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