

Converting Colors

XYZ(16.5821, 11.6814, 4.0616)

Have a look what the booklet for
XYZ(16.5821, 11.6814, 4.0616)
contains.

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Color

**XYZ(16.5458, 11.6296,
4.0620)**

Conversions

Conversions Part 1

Format	Color
Hex	9D452F
RGB	157, 69, 47
RGB Percent	62%, 27%, 18%
CMY	0.3843, 0.7294, 0.8157
CMYK	0.00, 0.56, 0.70, 0.38
HSL	12°, 54%, 40%
HSV	12°, 70%, 62%
XYZ	16.5458, 11.6296, 4.0620
YIQ	92.8040, 59.5100, 11.8140

Conversions

Conversions Part 2

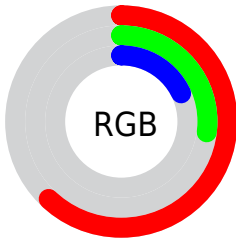
Format	Color
R_{YB}	157, 75, 47
Decimal	10306863
CIE Lab	40.62, 35.12, 30.80
CIE LCh	41, 46.712, 41.243
Yxy	11.6296, 0.5132, 0.3607
Android (android.graphics.Color)	4288496943 (0xFF9D452F)
YUV	92.8040, -22.5814, 56.2999
Hunter-Lab	34.1022, 26.9263, 16.8094

Details

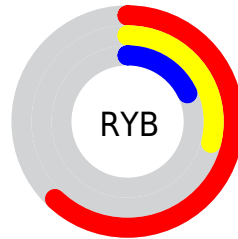
The XYZ color **16.5458, 11.6296, 4.0620** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.9212, 20.3649, 34.9896**, and the grayscale version is **10.4005, 10.9421, 11.9159**.

A 20% lighter version of the original color is **37.0558, 28.8400, 14.2033**, and **5.4718, 3.1419, 0.3181** is the 20% darker color. If you saturate the color by 10%, you get **15.5917, 10.1404, 2.4527**, and if you desaturate by 10%, it is **17.7779, 13.4928, 6.3263**.

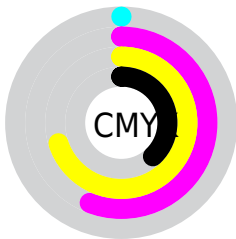
Distribution



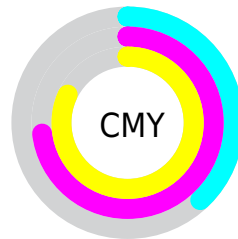
- Red (62%)
- Green (27%)
- Blue (18%)



- Red (62%)
- Yellow (29%)
- Blue (18%)



- Cyan (0%)
- Magenta (56%)
- Yellow (70%)
- Black (38%)





- Cyan (38%)
- Magenta (73%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5458, 11.6296, 4.0620 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 16.5458, 11.6296, 4.0620 by changing the saturation by 10% instead.

 16.5458, 11.6296,
4.0620


 16.5458, 11.6296,
4.0620


225.7488,
201.9375, 148.9120


 10.0045, 6.4920,
1.6594


 37.0930, 28.8187,
14.1525


 5.4642, 3.1465,
0.3327

 51.8296, 41.6389,
22.6775


 2.5597, 1.2087,
0.0000

 70.0287, 57.7889,
34.0804

 0.9254, 0.0688,
0.0000

 92.0557, 77.6529,
48.7797

 0.0000, 0.0000,
0.0000

 118.2758,
101.6153, 67.1940

 149.0544,

130.0607, 89.7418

184.7570,
163.3733, 116.8416

■ 16.5458, 11.6296,
4.0620

■ 16.5458, 11.6296,
4.0620

■ 15.5917, 10.1404,
2.4527

■ 17.7779, 13.4928,
6.3263

■ 14.8915, 8.9973,
1.4265

■ 19.3078, 15.7514,
9.3060

■ 14.4052, 8.1694,
0.8176

■ 21.1541, 18.4275,
13.0553

■ 23.3338, 21.5409,
17.6230

■ 25.8626, 25.1103,
23.0537

■ 28.7551, 29.1531,
29.3891

■ 32.0252, 33.6858,
36.6678

■ 35.6859, 38.7243,
44.9263

■ 39.7498, 44.2834,
54.1993

Harmonies

Analogous

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



18.5205, 11.6296, 9.4391



16.5458, 11.6296, 4.0620



13.2227, 11.6296, 2.0715

Triad

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



16.5458, 11.6296, 4.0620



6.0671, 11.6296, 7.6708



12.3378, 11.6296, 40.1671

Complementary

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



16.5458, 11.6296, 4.0620



15.9212, 20.3649, 34.9896

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.



9.1357, 11.6296, 38.8506



16.5458, 11.6296, 4.0620



5.9239, 11.6296, 16.5475

Square

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



16.5458, 11.6296, 4.0620



7.3751, 11.6296, 3.3226



6.9350, 11.6296, 28.8236



15.7880, 11.6296, 31.8379

Rectangle

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



16.5458, 11.6296, 4.0620



10.9165, 11.6296, 1.7971



6.9350, 11.6296, 28.8236



11.1918, 11.6296, 40.9156

Sweetspot

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



16.5461, 11.6302, 4.0622



45.6732, 44.0646, 39.8903



19.2942, 10.9504, 24.0182



9.7888, 9.3282, 8.2136



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.5461, 11.6302, 4.0622



27.1738, 16.9500, 3.2520



21.6252, 21.7885, 5.7552



6.7352, 6.8504, 6.9529



11.7219, 6.6795, 0.6715



0.2351, 0.1705, 0.0205

Inverse Universe

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



15.9212, 20.3649, 34.9896



25.8370, 33.3214, 62.1967



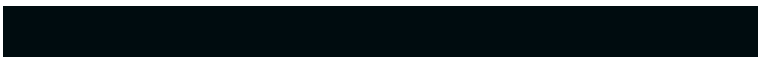
10.1267, 8.7760, 33.0581



6.7091, 7.2839, 8.4590



10.9864, 14.0644, 28.0429



0.2228, 0.3041, 0.5102

Previews

White Background



This preview shows how the XYZ color 16.5458, 11.6296, 4.0620 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 16.5458, 11.6296, 4.0620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

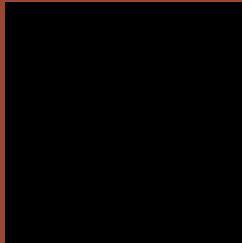
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5458, 11.6296, 4.0620

Background



This preview shows how black text looks on a background with the XYZ color 16.5458, 11.6296, 4.0620.



This preview shows how white text looks on a background with the XYZ color 16.5458, 11.6296,

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

16.5458, 11.6296, 4.0620

Protanopia

10.9324, 11.8991, 5.4619

Deuteranopia

11.9908, 11.8145, 3.8389



Tritanopia

17.1543, 11.6077, 7.1307

Trichromacy



Original Color

16.5458, 11.6296, 4.0620

Protanomaly

12.5082, 11.4334, 4.9158

Deuteranomaly

13.2978, 11.5090, 3.9035

Tritanomaly

16.9772, 11.6312, 5.9077

Monochromacy



Original Color

16.5458, 11.6296, 4.0620

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.6773, 10.5755, 8.2633

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5458, 11.6296, 4.0620 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(157, 69, 47)` looks like.

```
.text, #text, p{  
    color:rgb(157, 69, 47)  
}
```

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(157, 69, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 69, 47) }
```

Border

The CSS property to change the border of an element to XYZ 16.5458, 11.6296, 4.0620 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(157, 69, 47) }
```


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

```
.border{ border-color:rgb(157, 69, 47) }
```

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

Here you see how a box with a 4 pixel rgb(157, 69, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 69, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 69, 47);  
box-shadow:4px 4px 4px 4px rgb(157, 69,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5458, 11.6296, 4.0620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 69, 47) }
```

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

```
.background{ background-color: rgb(157, 69,  
47) }
```

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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