

Converting Colors

XYZ(16.3534, 12.2494, 4.6344)

Have a look what the booklet for
XYZ(16.3534, 12.2494, 4.6344)
contains.

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Color

**XYZ(16.3883, 12.3191,
4.6460)**

Conversions

Conversions Part 1

Format	Color
Hex	994D33
RGB	153, 77, 51
RGB Percent	60%, 30%, 20%
CMY	0.4000, 0.6980, 0.8000
CMYK	0.00, 0.50, 0.67, 0.40
HSL	15°, 50%, 40%
HSV	15°, 67%, 60%
XYZ	16.3883, 12.3191, 4.6460
YIQ	96.7600, 53.6420, 8.0260

Conversions

Conversions Part 2

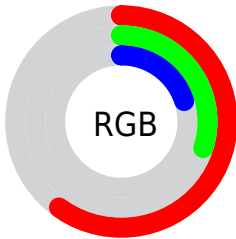
Format	Color
R_{YB}	153, 86, 51
Decimal	10046771
CIE Lab	41.72, 29.50, 29.63
CIE LCh	42, 41.813, 45.119
Yxy	12.3191, 0.4914, 0.3694
Android (android.graphics.Color)	4288236851 (0xFF994D33)
YUV	96.7600, -22.5597, 49.3225
Hunter-Lab	35.0986, 21.9231, 16.7208

Details

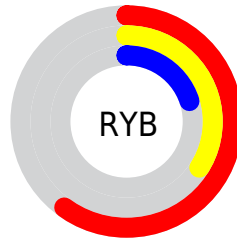
The XYZ color **16.3883, 12.3191, 4.6460** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **14.7038, 18.1812, 32.8712**, and the grayscale version is **11.3481, 11.9391, 13.0017**.

A 20% lighter version of the original color is **36.6579, 29.9095, 15.3963**, and **5.4020, 3.4333, 0.5503** is the 20% darker color. If you saturate the color by 10%, you get **15.3759, 10.7483, 2.9094**, and if you desaturate by 10%, it is **17.6521, 14.2152, 7.0143**.

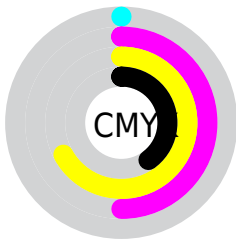
Distribution



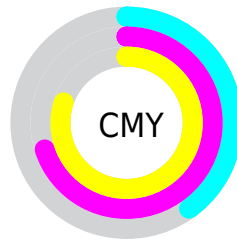
- Red (60%)
- Green (30%)
- Blue (20%)



- Red (60%)
- Yellow (34%)
- Blue (20%)



- Cyan (0%)
- Magenta (50%)
- Yellow (67%)
- Black (40%)



- Cyan (40%)
- Magenta (70%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3883, 12.3191, 4.6460 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 16.3883, 12.3191, 4.6460 by changing the saturation by 10% instead.

■ 16.3883, 12.3191,
4.6460

■ 16.3883, 12.3191,
4.6460

224.8478,
206.5065, 155.1557

■ 9.8919, 6.9614,
1.9860

■ 36.8230, 30.0750,
15.4742

■ 5.3891, 3.4380,
0.5467

■ 51.4921, 43.2419,
24.4794

■ 2.5144, 1.3644,
0.0000

■ 69.6161, 59.7807,
36.4369

■ 0.9025, 0.1903,
0.0000

■ 91.5605, 80.0758,
51.7651

■ 0.0000, 0.0000,
0.0000

■ 117.6904,
104.5115, 70.8825

■ 148.3714,

133.4723, 94.2077

183.9688,
167.3425, 122.1593

■ 16.3883, 12.3191,
4.6460

■ 16.3883, 12.3191,
4.6460

■ 15.3759, 10.7483,
2.9094

■ 17.6521, 14.2152,
7.0143

■ 14.5955, 9.4818,
1.7416

■ 19.1830, 16.4521,
10.0677

■ 14.0216, 8.4972,
1.0476

■ 20.9964, 19.0467,
13.8547

■ 13.8625, 8.2238,
0.8567

■ 23.1063, 22.0140,
18.4191

■ 25.5256, 25.3682,
23.8013

■ 28.2664, 29.1229,
30.0389

■ 31.3402, 33.2907,
37.1670

■ 34.7579, 37.8838,
45.2189

■ 38.5299, 42.9140,
54.2262

Harmonies

Analogous

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



18.3829, 12.3191, 9.4692



16.3883, 12.3191, 4.6460



13.2914, 12.3191, 2.8102

Triad

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



16.3883, 12.3191, 4.6460



6.8799, 12.3191, 9.5230



13.3172, 12.3191, 37.2514

Complementary

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



16.3883, 12.3191, 4.6460



14.7038, 18.1812, 32.8712

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.



10.2573, 12.3191, 37.2872



16.3883, 12.3191, 4.6460



6.8844, 12.3191, 18.3241

Square

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



16.3883, 12.3191, 4.6460



8.0042, 12.3191, 4.6705



8.0176, 12.3191, 29.3141



16.4100, 12.3191, 29.2307

Rectangle

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



16.3883, 12.3191, 4.6460



11.1901, 12.3191, 2.6377



8.0176, 12.3191, 29.3141



12.2436, 12.3191, 38.2838

Sweetspot

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



16.3886, 12.3198, 4.6462



44.0318, 43.1093, 38.8557



18.1841, 10.6854, 21.3540



9.4772, 9.1786, 8.0337



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.



16.3886, 12.3198, 4.6462



26.8001, 18.0685, 4.0630



21.3885, 22.3195, 6.3128



6.3305, 6.4660, 6.5203



11.4809, 6.8443, 0.7160



0.1976, 0.1542, 0.0194

Inverse Universe

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



14.7038, 18.1812, 32.8712



23.4474, 29.1330, 58.3594



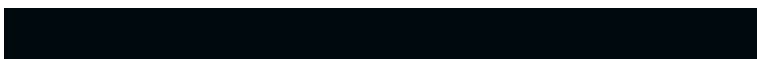
9.7341, 8.2418, 31.2146



6.2512, 6.7598, 7.9043



9.7522, 11.9011, 26.6909



0.1742, 0.2346, 0.4085

Previews

White Background



This preview shows how the XYZ color 16.3883, 12.3191, 4.6460 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 16.3883, 12.3191, 4.6460 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 16.3883, 12.3191, 4.6460

Background



This preview shows how black text looks on a background with the XYZ color 16.3883, 12.3191, 4.6460.



This preview shows how white text looks on a background with the XYZ color 16.3883, 12.3191,

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

16.3883, 12.3191, 4.6460

Protanopia

11.4356, 12.4276, 5.9337

Deuteranopia

12.5418, 12.3482, 4.4117



Tritanopia

17.3776, 12.4306, 8.8806

Trichromacy



Original Color

16.3883, 12.3191, 4.6460

Protanomaly

12.7671, 12.0528, 5.3949

Deuteranomaly

13.6961, 12.1794, 4.4253

Tritanomaly

16.9167, 12.3318, 7.1189

Monochromacy



Original Color

16.3883, 12.3191, 4.6460

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.4403, 11.6734, 9.1869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3883, 12.3191, 4.6460 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(153, 77, 51)` looks like.

```
.text, #text, p{  
    color:rgb(153, 77, 51)  
}
```

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(153, 77, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 77, 51) }
```

Border

The CSS property to change the border of an element to XYZ 16.3883, 12.3191, 4.6460 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(153, 77, 51) }
```


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

```
.border{ border-color:rgb(153, 77, 51) }
```

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

Here you see how a box with a 4 pixel rgb(153, 77, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 77, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 77, 51);  
box-shadow:4px 4px 4px 4px rgb(153, 77,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3883, 12.3191, 4.6460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 77, 51) }
```

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

```
.background{ background-color: rgb(153, 77,  
51) }
```

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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