

Converting Colors

XYZ(16.2001, 11.4466, 4.2613)

Have a look what the booklet for
XYZ(16.2001, 11.4466, 4.2613)
contains.

XYZ(16.2001, 11.4466, 4.2613)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.2001, 11.4466,
4.2613)**

Conversions

Conversions Part 1

Format	Color
Hex	9B4531
RGB	155, 69, 49
RGB Percent	61%, 27%, 19%
CMY	0.3922, 0.7294, 0.8078
CMYK	0.00, 0.55, 0.68, 0.39
HSL	11°, 52%, 40%
HSV	11°, 68%, 61%
XYZ	16.2001, 11.4466, 4.2613
YIQ	92.4340, 57.6760, 12.0120

Conversions

Conversions Part 2

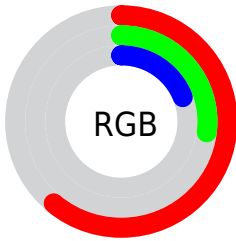
Format	Color
RYB	155, 74, 49
Decimal	10175793
CIELab	40.32, 34.45, 29.20
CIELCh	40, 45.166, 40.287
Yxy	11.4466, 0.5077, 0.3587
Android (android.graphics.Color)	4288365873 (0xFF9B4531)
YUV	92.4340, -21.4130, 54.8704
Hunter-Lab	33.8328, 26.2633, 16.2153

Details

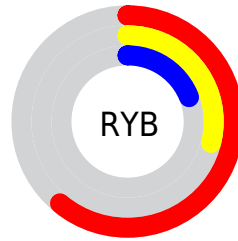
The XYZ color **16.2001, 11.4466, 4.2613** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.8463, 20.3460, 34.1022**, and the grayscale version is **10.3120, 10.8491, 11.8146**.

A 20% lighter version of the original color is **36.5593, 28.5736, 14.6547**, and **5.2863, 3.0690, 0.3999** is the 20% darker color. If you saturate the color by 10%, you get **15.2342, 9.9515, 2.5938**, and if you desaturate by 10%, it is **17.4430, 13.3159, 6.5764**.

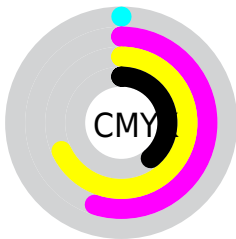
Distribution



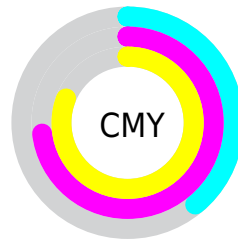
- Red (61%)
- Green (27%)
- Blue (19%)



- Red (61%)
- Yellow (29%)
- Blue (19%)



- Cyan (0%)
- Magenta (55%)
- Yellow (68%)
- Black (39%)





- Cyan (39%)
- Magenta (73%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2001, 11.4466, 4.2613 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 16.2001, 11.4466, 4.2613 by changing the saturation by 10% instead.


 16.2001, 11.4466,
4.2613


 16.2001, 11.4466,
4.2613


223.7668,
200.7064, 151.0869


 9.7576, 6.3681,
1.7698


 36.4999, 28.4831,
14.6080


 5.2996, 3.0702,
0.4079

 51.0879, 41.2099,
23.3003


 2.4606, 1.1685,
0.0000

 69.1218, 57.2548,
34.8966

 0.8754, 0.0357,
0.0000

 90.9669, 77.0024,
49.8154

 0.0000, 0.0000,
0.0000

 116.9886,
100.8369, 68.4753

 147.5523,

129.1428, 91.2948

183.0232,
162.3045, 118.6925

■ 16.2001, 11.4466,
4.2613

■ 16.2001, 11.4466,
4.2613

■ 15.2342, 9.9515,
2.5938

■ 17.4430, 13.3159,
6.5764

■ 14.5220, 8.8029,
1.5060

■ 18.9820, 15.5807,
9.5965

■ 14.0286, 7.9688,
0.8706

■ 20.8355, 18.2630,
13.3731

■ 13.9631, 7.8597,
0.7811

■ 23.0199, 21.3825,
17.9531

■ 25.5507, 24.9576,
23.3791

■ 28.4422, 29.0058,
29.6910

■ 31.7079, 33.5436,
36.9262

■ 35.3608, 38.5866,
45.1196

■ 39.4131, 44.1498,
54.3048

Harmonies

Analogous

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



18.0147, 11.4466, 9.6086



16.2001, 11.4466, 4.2613



13.0591, 11.4466, 2.2141

Triad

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



16.2001, 11.4466, 4.2613



6.1060, 11.4466, 7.4696



12.0004, 11.4466, 38.5993

Complementary

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



16.2001, 11.4466, 4.2613



15.8463, 20.3460, 34.1022

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.



8.9573, 11.4466, 37.0490



16.2001, 11.4466, 4.2613



5.9320, 11.4466, 15.8340

Square

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



16.2001, 11.4466, 4.2613



7.4066, 11.4466, 3.3476



6.8739, 11.4466, 27.4292



15.2973, 11.4466, 30.9923

Rectangle

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



16.2001, 11.4466, 4.2613



10.8493, 11.4466, 1.9074



6.8739, 11.4466, 27.4292



10.9101, 11.4466, 39.1958

Sweetspot

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



16.2004, 11.4472, 4.2615



44.3217, 42.6731, 38.7679



19.0290, 10.9305, 24.2382



9.7672, 9.2850, 8.2064



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.



16.2004, 11.4472, 4.2615



26.5642, 16.6754, 3.5086



20.9620, 20.9706, 5.8487



6.2985, 6.4020, 6.5096



11.2373, 6.3569, 0.6347



0.1884, 0.1359, 0.0163

Inverse Universe

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



15.8463, 20.3460, 34.1022



25.7585, 33.4704, 60.6391



10.2433, 9.1400, 32.2345



6.2855, 6.8283, 7.9157



10.7447, 13.8861, 27.0217



0.1833, 0.2530, 0.4115

Previews

White Background



This preview shows how the XYZ color 16.2001, 11.4466, 4.2613 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



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 16.2001, 11.4466, 4.2613

Background



This preview shows how black text looks on a background with the XYZ color 16.2001, 11.4466, 4.2613.



This preview shows how white text looks on a background with the XYZ color 16.2001, 11.4466,

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

16.2001, 11.4466, 4.2613

Protanopia

10.7723, 11.6745, 5.6886

Deuteranopia

11.6669, 11.5156, 3.9907



Tritanopia

16.7958, 11.4193, 7.2801

Trichromacy



Original Color

16.2001, 11.4466, 4.2613

Protanomaly

12.1858, 11.1424, 5.1229

Deuteranomaly

12.9465, 11.2091, 4.0660

Tritanomaly

16.6147, 11.4411, 6.0353

Monochromacy



Original Color

16.2001, 11.4466, 4.2613

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.5451, 10.5073, 8.2571

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2001, 11.4466, 4.2613 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(155, 69, 49)` looks like.

```
.text, #text, p{  
    color:rgb(155, 69, 49)  
}
```

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(155, 69, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 69, 49) }
```

Border

The CSS property to change the border of an element to XYZ 16.2001, 11.4466, 4.2613 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(155, 69, 49) }
```


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

```
.border{ border-color:rgb(155, 69, 49) }
```

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

Here you see how a box with a 4 pixel rgb(155, 69, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 69, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 69, 49);  
box-shadow:4px 4px 4px 4px rgb(155, 69,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2001, 11.4466, 4.2613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 69, 49) }
```

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

```
.background{ background-color: rgb(155, 69,  
49) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor