

Converting Colors

XYZ(15.2440, 16.3656, 4.8763)

Have a look what the booklet for
XYZ(15.2440, 16.3656, 4.8763)
contains.

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Color

**XYZ(15.3211, 16.4449,
4.8493)**

Conversions

Conversions Part 1

Format	Color
Hex	81702D
RGB	129, 112, 45
RGB Percent	51%, 44%, 18%
CMY	0.4941, 0.5608, 0.8235
CMYK	0.00, 0.13, 0.65, 0.49
HSL	48°, 48%, 34%
HSV	48°, 65%, 51%
XYZ	15.3211, 16.4449, 4.8493
YIQ	109.4450, 31.6390, -17.2330

Conversions

Conversions Part 2

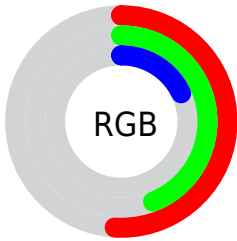
Format	Color
R_{YB}	66, 129, 45
Decimal	8482861
CIE _{Lab}	47.55, -1.82, 38.68
CIE _{LCh}	48, 38.724, 92.692
Yxy	16.4449, 0.4184, 0.4491
Android (android.graphics.Color)	4286672941 (0xFF81702D)
YUV	109.4450, -31.7714, 17.1497
Hunter-Lab	40.5523, -3.5273, 21.2966

Details

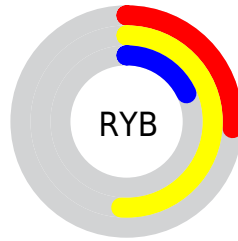
The XYZ color **15.3211, 16.4449, 4.8493** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.7673, 5.5880, 21.4908**, and the grayscale version is **14.7441, 15.5120, 16.8925**.

A 20% lighter version of the original color is **34.8847, 37.1929, 15.9300**, and **4.9509, 5.3584, 0.7733** is the 20% darker color. If you saturate the color by 10%, you get **14.8260, 15.7933, 3.6408**, and if you desaturate by 10%, it is **15.9012, 17.1451, 6.4612**.

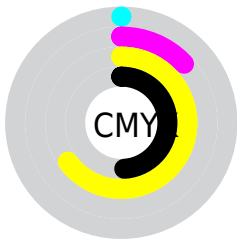
Distribution



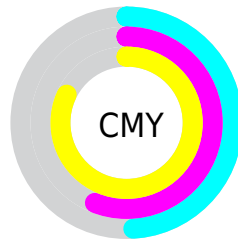
- Red (51%)
- Green (44%)
- Blue (18%)



- Red (26%)
- Yellow (51%)
- Blue (18%)



- Cyan (0%)
- Magenta (13%)
- Yellow (65%)
- Black (49%)



- Cyan (49%)
- Magenta (56%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3211, 16.4449, 4.8493 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 15.3211, 16.4449, 4.8493 by changing the saturation by 10% instead.

■ 15.3211, 16.4449,
4.8493

■ 15.3211, 16.4449,
4.8493

218.6517,
231.9529, 157.2433

■ 9.1328, 9.8395,
2.1019

■ 34.9826, 37.3689,
15.9254

■ 4.8857, 5.2927,
0.6169

■ 49.1865, 52.4562,
25.0913

■ 2.2144, 2.4200,
0.0000

■ 66.7929, 71.1397,
37.2337

■ 0.7503, 0.8361,
0.0000

■ 88.1674, 93.8038,
52.7712

■ 0.0000, 0.0000,
0.0000

■ 113.6751,
120.8327, 72.1224

■ 143.6815,

152.6109, 95.7058

178.5519,
189.5228, 123.9399

■ 15.3211, 16.4449,
4.8493

■ 15.3211, 16.4449,
4.8493

■ 14.8260, 15.7933,
3.6408

■ 15.9012, 17.1451,
6.4612

■ 14.4076, 15.1850,
2.7968

■ 16.5716, 17.8943,
8.5085

■ 14.0555, 14.6163,
2.2614

■ 17.3384, 18.6956,
11.0212

■ 13.8933, 14.3472,
2.0370

■ 18.2066, 19.5512,
14.0264

■ 19.1812, 20.4632,
17.5489

■ 20.2666, 21.4333,
21.6121

■ 21.4670, 22.4635,
26.2377

■ 22.7864, 23.5553,
31.4465

■ 24.2286, 24.7105,
37.2580

Harmonies

Analogous

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



18.8729, 16.4449, 5.7800



15.3211, 16.4449, 4.8493



12.3165, 16.4449, 6.2099

Triad

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



15.3211, 16.4449, 4.8493



10.6892, 16.4449, 30.2411



22.2910, 16.4449, 28.1032

Complementary

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



15.3211, 16.4449, 4.8493



6.7673, 5.5880, 21.4908

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.



19.4910, 16.4449, 39.1049



15.3211, 16.4449, 4.8493



12.7823, 16.4449, 40.6251

Square

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



15.3211, 16.4449, 4.8493



9.9001, 16.4449, 18.8123



15.9438, 16.4449, 44.3503



23.2306, 16.4449, 17.0287

Rectangle

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



15.3211, 16.4449, 4.8493



10.9287, 16.4449, 8.6883



15.9438, 16.4449, 44.3503



21.5177, 16.4449, 32.0522

Sweetspot

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



15.3215, 16.4457, 4.8496



33.3908, 35.7580, 27.9311



10.8946, 6.9052, 5.4908



7.4670, 8.0080, 5.9958



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.3215, 16.4457, 4.8496



26.1807, 27.7595, 5.7306



14.1732, 18.9054, 5.3849



4.5938, 4.8763, 4.6192



13.5491, 13.9946, 1.9871



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.7673, 5.5880, 21.4908



9.6700, 6.8527, 38.0055



7.3411, 4.7199, 21.2930



4.1739, 4.3418, 5.4313



4.2284, 2.2753, 20.4663



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.3211, 16.4449, 4.8493 looks on a white background.

Color Contrast Check

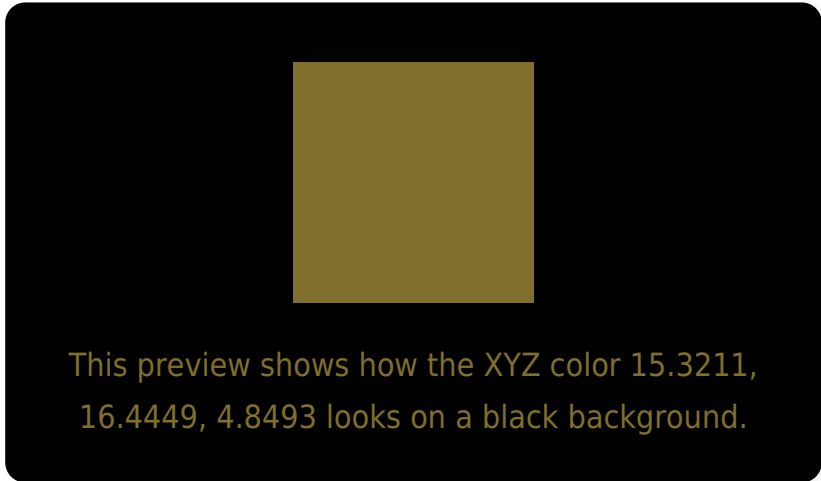
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3211, 16.4449, 4.8493

Background



This preview shows how black text looks on a background with the XYZ color 15.3211, 16.4449, 4.8493.



This preview shows how white text looks on a background with the XYZ color 15.3211, 16.4449,

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

15.3211, 16.4449, 4.8493

Protanopia

14.9830, 16.4353, 4.8653

Deuteranopia

16.5661, 16.2881, 4.8556



Tritanopia

18.0239, 16.4463, 17.8473

Trichromacy



Original Color

15.3211, 16.4449, 4.8493

Protanomaly

15.1312, 16.5117, 4.8722

Deuteranomaly

16.1151, 16.3688, 4.8949

Tritanomaly

16.7969, 16.4163, 11.5159

Monochromacy



Original Color

15.3211, 16.4449, 4.8493

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.4581, 15.5368, 11.0410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3211, 16.4449, 4.8493 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(129, 112, 45)` looks like.

```
.text, #text, p{  
    color:rgb(129, 112, 45)  
}
```

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(129, 112, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 112, 45) }
```

Border

The CSS property to change the border of an element to XYZ 15.3211, 16.4449, 4.8493 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(129, 112, 45) }
```


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

```
.border{ border-color:rgb(129, 112, 45) }
```

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

Here you see how a box with a 4 pixel rgb(129, 112, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 112, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 112, 45);  
box-shadow:4px 4px 4px 4px rgb(129, 112,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3211, 16.4449, 4.8493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 112, 45) }
```

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

```
.background{ background-color: rgb(129,  
112, 45) }
```

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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