

Converting Colors

XYZ(15.2134, 16.1613, 2.3176)

Have a look what the booklet for
XYZ(15.2134, 16.1613, 2.3176)
contains.

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Color

**XYZ(15.2488, 16.1384,
2.3113)**

Conversions

Conversions Part 1

Format	Color
Hex	856E00
RGB	133, 110, 0
RGB Percent	52%, 43%, 0%
CMY	0.4784, 0.5686, 1.0000
CMYK	0.00, 0.17, 1.00, 0.48
HSL	50°, 100%, 26%
HSV	50°, 100%, 52%
XYZ	15.2488, 16.1384, 2.3113
YIQ	104.3370, 49.0180, -29.3340

Conversions

Conversions Part 2

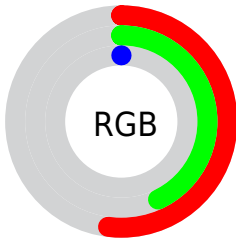
Format	Color
R_{YB}	28, 133, 0
Decimal	8744448
CIE Lab	47.16, -0.54, 53.51
CIE LCh	47, 53.515, 90.573
Yxy	16.1384, 0.4525, 0.4789
Android (android.graphics.Color)	4286934528 (0xFF856E00)
YUV	104.3370, -51.4381, 25.1375
Hunter-Lab	40.1726, -2.5467, 24.7096

Details

The XYZ color **15.2488, 16.1384, 2.3113** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.5401, 2.3063, 22.3960**, and the grayscale version is **13.3737, 14.0702, 15.3224**.

A 20% lighter version of the original color is **34.8496, 36.7847, 9.8208**, and **5.0020, 5.2173, 0.7434** is the 20% darker color. If you saturate the color by 10%, you get **15.2490, 16.1390, 2.3114**, and if you desaturate by 10%, it is **15.5751, 16.6718, 2.7883**.

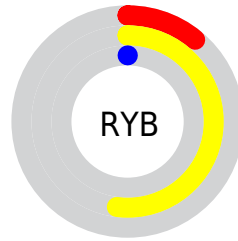
Distribution



Red (52%)

Green (43%)

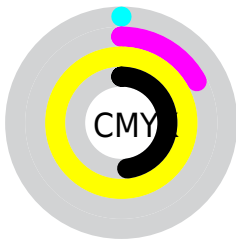
Blue (0%)



Red (11%)

Yellow (52%)

Blue (0%)

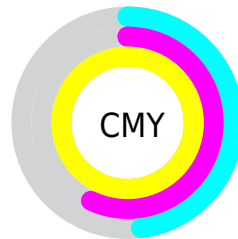


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (48%)



Cyan (48%)

Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2488, 16.1384, 2.3113 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 15.2488, 16.1384, 2.3113 by changing the saturation by 10% instead.

■ 15.2488, 16.1384,
2.3113

■ 15.2488, 16.1384,
2.3113

218.2259,
230.1570, 127.0374

■ 9.0816, 9.6221,
0.7375

■ 34.8571, 36.8383,
9.8756

■ 4.8520, 5.1492,
0.0000

■ 49.0290, 51.7907,
16.7206

■ 2.1946, 2.3350,
0.0000

■ 66.5999, 70.3240,
26.1654

■ 0.7399, 0.7922,
0.0000

■ 87.9350, 92.8226,
38.6288


■ 0.0000, 0.0000,
0.0000


■ 113.3999,
119.6707, 54.5291


■ 143.3597,


151.2529, 74.2849


 178.1799,
187.9536, 98.3149


 15.2488, 16.1384,
2.3113


 15.2488, 16.1384,
2.3113


 15.2490, 16.1390,
2.3114

 15.5751, 16.6718,
2.7883

 15.9517, 17.2350,
3.4991

 16.4042, 17.8390,
4.5777

 16.9411, 18.4873,
6.0685

 17.5697, 19.1830,
8.0094

■ 18.2964, 19.9285,
10.4340

■ 19.1271, 20.7264,
13.3729

■ 20.0671, 21.5788,
16.8539

■ 21.1213, 22.4878,
20.9030

Harmonies

Analogous

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



20.2267, 16.1384, 3.2877



15.2488, 16.1384, 2.3113



11.1826, 16.1384, 3.3731

Triad

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



15.2488, 16.1384, 2.3113



8.7943, 16.1384, 34.3181



24.6443, 16.1384, 33.6219

Complementary

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



15.2488, 16.1384, 2.3113



4.5401, 2.3063, 22.3960

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.



20.4157, 16.1384, 50.6481



15.2488, 16.1384, 2.3113



11.3099, 16.1384, 51.1745

Square

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



15.2488, 16.1384, 2.3113



7.9549, 16.1384, 17.8323



15.4297, 16.1384, 58.2955



26.2796, 16.1384, 17.3142

Rectangle

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



15.2488, 16.1384, 2.3113



9.3588, 16.1384, 5.7194



15.4297, 16.1384, 58.2955



23.4415, 16.1384, 39.6960

Sweetspot

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



15.2492, 16.1392, 2.3116



34.1448, 37.0159, 23.5567



9.8418, 5.0542, 1.3423



7.5689, 8.2224, 4.8642



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.2492, 16.1392, 2.3116



27.2074, 28.7004, 4.1058



12.6905, 18.9933, 2.9974



4.9731, 5.2897, 4.9883



14.5302, 15.3830, 2.2034



0.0548, 0.0622, 0.0091

Inverse Universe

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



4.5401, 2.3063, 22.3960



8.0454, 3.9603, 40.0788



5.1934, 2.1883, 22.3388



4.4948, 4.6652, 5.8643



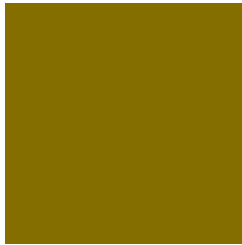
4.3289, 2.2057, 21.3343



0.0188, 0.0152, 0.0752

Previews

White Background



This preview shows how the XYZ color 15.2488, 16.1384, 2.3113 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 15.2488, 16.1384, 2.3113

Background



This preview shows how black text looks on a background with the XYZ color 15.2488, 16.1384, 2.3113.

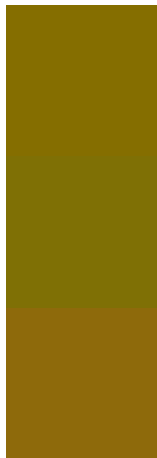


This preview shows how white text looks on a background with the XYZ color 15.2488, 16.1384,

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

15.2488, 16.1384, 2.3113

Protanopia

14.5740, 16.1113, 2.4852

Deuteranopia

16.3698, 16.0830, 2.5582



Tritanopia

18.2133, 16.1175, 16.9029

Trichromacy



Original Color

15.2488, 16.1384, 2.3113

Protanomaly

14.7541, 16.0426, 2.4050

Deuteranomaly

15.9435, 16.0197, 2.4528

Tritanomaly

16.4736, 15.8637, 7.9881

Monochromacy



Original Color

15.2488, 16.1384, 2.3113

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.2076, 14.3463, 7.2272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2488, 16.1384, 2.3113 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(133, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(133, 110, 0)  
}
```

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(133, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 110, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.2488, 16.1384, 2.3113 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(133, 110, 0) }
```


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

```
.border{ border-color:rgb(133, 110, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(133, 110,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2488, 16.1384, 2.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 110, 0) }
```

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

```
.background{ background-color: rgb(133,  
110, 0) }
```

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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