

Converting Colors

XYZ(15.2924, 15.8489, 0.4130)

Have a look what the booklet for
XYZ(15.2924, 15.8489, 0.4130)
contains.

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Color

**XYZ(15.6791, 16.0435,
2.2703)**

Conversions

Conversions Part 1

Format	Color
Hex	896C00
RGB	137, 108, 0
RGB Percent	54%, 42%, 0%
CMY	0.4627, 0.5765, 1.0000
CMYK	0.00, 0.21, 1.00, 0.46
HSL	47°, 100%, 27%
HSV	47°, 100%, 54%
XYZ	15.6791, 16.0435, 2.2703
YIQ	104.3590, 51.9520, -27.4400

Conversions

Conversions Part 2

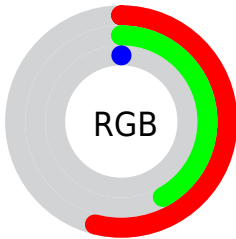
Format	Color
R_{YB}	37, 137, 0
Decimal	9006080
CIE _{Lab}	47.03, 2.53, 53.63
CIE _{LCh}	47, 53.687, 87.297
Yxy	16.0435, 0.4612, 0.4720
Android (android.graphics.Color)	4287196160 (0xFF896C00)
YUV	104.3590, -51.4490, 28.6262
Hunter-Lab	40.0543, -0.2220, 24.6774

Details

The XYZ color **15.6791, 16.0435, 2.2703** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **4.9548, 2.6849, 23.9238**, and the grayscale version is **13.3791, 14.0759, 15.3286**.

A 20% lighter version of the original color is **35.5158, 36.6134, 9.7526**, and **5.1484, 5.1313, 0.7191** is the 20% darker color. If you saturate the color by 10%, you get **15.6793, 16.0440, 2.2704**, and if you desaturate by 10%, it is **16.0677, 16.6971, 2.7811**.

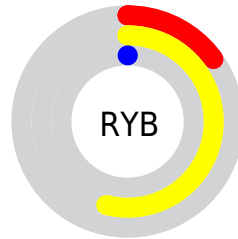
Distribution



Red (54%)

Green (42%)

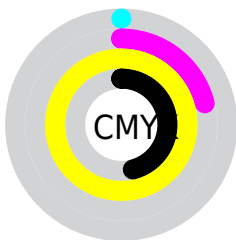
Blue (0%)



Red (15%)

Yellow (54%)

Blue (0%)

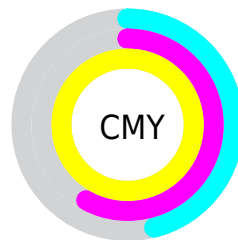


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (46%)



Cyan (46%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6791, 16.0435, 2.2703 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 15.6791, 16.0435, 2.2703 by changing the saturation by 10% instead.

■ 15.6791, 16.0435,
2.2703

■ 15.6791, 16.0435,
2.2703

220.7484,
229.5983, 126.4421

■ 9.3868, 9.5549,
0.7145

■ 35.6022, 36.6737,
9.7674

■ 5.0534, 5.1049,
0.0000

■ 49.9636, 51.5841,
16.5668

■ 2.3137, 2.3089,
0.0000

■ 67.7455, 70.0707,
25.9581

■ 0.8017, 0.7784,
0.0000

■ 89.3131, 92.5177,
38.3598


■ 0.0000, 0.0000,
0.0000


■ 115.0319,
119.3095, 54.1905


■ 145.2671,


150.8306, 73.8688


 180.3842,
187.4654, 97.8131


 15.6791, 16.0435,
2.2703


 15.6791, 16.0435,
2.2703


 15.6793, 16.0440,
2.2704

 16.0677, 16.6971,
2.7811

 16.5142, 17.3896,
3.5478

 17.0453, 18.1326,
4.7090

 17.6702, 18.9298,
6.3125

 18.3967, 19.7846,
8.3992

■ 19.2319, 20.6999,
11.0054

■ 20.1820, 21.6783,
14.1640

■ 21.2528, 22.7223,
17.9050

■ 22.4498, 23.8342,
22.2563

Harmonies

Analogous

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



20.6729, 16.0435, 3.4846



15.6791, 16.0435, 2.2703



11.4675, 16.0435, 3.0842

Triad

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



15.6791, 16.0435, 2.2703



8.5438, 16.0435, 32.2348



24.1908, 16.0435, 35.5216

Complementary

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



15.6791, 16.0435, 2.2703



4.9548, 2.6849, 23.9238

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.



19.7817, 16.0435, 52.0527



15.6791, 16.0435, 2.2703



10.8677, 16.0435, 49.5655

Square

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



15.6791, 16.0435, 2.2703



7.8842, 16.0435, 16.2761



14.8266, 16.0435, 58.1897



26.1783, 16.0435, 18.7181

Rectangle

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



15.6791, 16.0435, 2.2703



9.5237, 16.0435, 5.1363



14.8266, 16.0435, 58.1897



22.9035, 16.0435, 41.5662

Sweetspot

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



15.6795, 16.0443, 2.2706



36.0226, 38.7019, 24.9569



10.5469, 5.4106, 1.6959



7.9367, 8.5354, 5.1158



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.6795, 16.0443, 2.2706



27.9586, 28.4914, 4.0258



14.0026, 20.4982, 3.2187



5.3427, 5.6683, 5.3649



14.6141, 14.9626, 2.1178



0.1075, 0.1202, 0.0175

Inverse Universe

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



4.9548, 2.6849, 23.9238



8.7723, 4.6067, 42.8100



5.3453, 2.2341, 23.8162



4.8549, 5.0528, 6.3252



4.6229, 2.5160, 22.2877



0.0397, 0.0346, 0.1510

Previews

White Background



This preview shows how the XYZ color 15.6791, 16.0435, 2.2703 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 15.6791, 16.0435, 2.2703

Background



This preview shows how black text looks on a background with the XYZ color 15.6791, 16.0435, 2.2703.



This preview shows how white text looks on a background with the XYZ color 15.6791, 16.0435,

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

15.6791, 16.0435, 2.2703

Protanopia

14.4312, 16.0371, 2.5072

Deuteranopia

16.1824, 15.9883, 2.4629



Tritanopia

18.4193, 15.9478, 16.2948

Trichromacy



Original Color

15.6791, 16.0435, 2.2703

Protanomaly

14.9123, 16.1235, 2.4410

Deuteranomaly

16.1003, 16.1018, 2.4030

Tritanomaly

16.7396, 15.7056, 7.7794

Monochromacy



Original Color

15.6791, 16.0435, 2.2703

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.2374, 14.2095, 7.1993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6791, 16.0435, 2.2703 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(137, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(137, 108, 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(137, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 108, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.6791, 16.0435, 2.2703 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(137, 108, 0) }
```


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

```
.border{ border-color:rgb(137, 108, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(137, 108,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6791, 16.0435, 2.2703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 108, 0) }
```

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

```
.background{ background-color: rgb(137,  
108, 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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