

Converting Colors

XYZ(16.0248, 18.6771, 2.4157)

Have a look what the booklet for
XYZ(16.0248, 18.6771, 2.4157)
contains.

XYZ(16.0128, 18.5862, 2.7435)	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(16.0128, 18.5862,
2.7435)**

Conversions

Conversions Part 1

Format	Color
Hex	817A00
RGB	129, 122, 0
RGB Percent	51%, 48%, 0%
CMY	0.4941, 0.5216, 1.0000
CMYK	0.00, 0.05, 1.00, 0.49
HSL	57°, 100%, 25%
HSV	57°, 100%, 51%
XYZ	16.0128, 18.5862, 2.7435
YIQ	110.1850, 43.3340, -36.4580

Conversions

Conversions Part 2

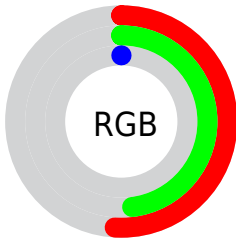
Format	Color
R_{YB}	7, 129, 0
Decimal	8485376
CIE Lab	50.20, -9.19, 55.50
CIE LCh	50, 56.260, 99.403
Yxy	18.5862, 0.4288, 0.4977
Android (android.graphics.Color)	4286675456 (0xFF817A00)
YUV	110.1850, -54.3212, 16.5008
Hunter-Lab	43.1117, -9.1460, 26.4052

Details

The XYZ color **16.0128, 18.5862, 2.7435** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.0385, 1.7370, 20.8912**, and the grayscale version is **15.0174, 15.7995, 17.2056**.

A 20% lighter version of the original color is **36.0978, 40.9680, 11.0061**, and **5.4293, 6.4341, 0.9557** is the 20% darker color. If you saturate the color by 10%, you get **16.0131, 18.5870, 2.7437**, and if you desaturate by 10%, it is **16.1714, 18.7883, 3.1518**.

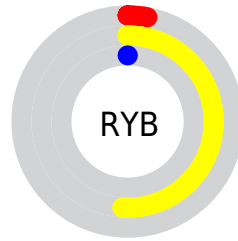
Distribution



Red (51%)

Green (48%)

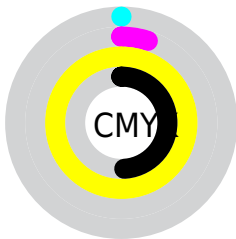
Blue (0%)



Red (3%)

Yellow (51%)

Blue (0%)

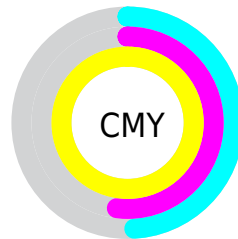


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (49%)



Cyan (49%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0128, 18.5862, 2.7435 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 16.0128, 18.5862, 2.7435 by changing the saturation by 10% instead.

■ 16.0128, 18.5862,
2.7435

■ 16.0128, 18.5862,
2.7435

222.6861,
244.1547, 133.0235

■ 9.6241, 11.3717,
0.9652

■ 36.1777, 41.0337,
10.9887

■ 5.2108, 6.3174,
0.0000

■ 50.6846, 57.0354,
18.2926

■ 2.4075, 3.0390,
0.0000

■ 68.6283, 76.7350,
28.2755

■ 0.8488, 1.1521,
0.0000

■ 90.3742, 100.5169,
41.3560


■ 0.0000, 0.0221,
0.0000


■ 116.2875,
128.7654, 57.9524


■ 0.0000, 0.0000,
0.0000


■ 146.7337,


161.8649, 78.4835


 182.0782,
200.1999, 103.3677


 16.0128, 18.5862,
2.7435


 16.0128, 18.5862,
2.7435


 16.0131, 18.5870,
2.7437

 16.1714, 18.7883,
3.1518

 16.3705, 19.0069,
3.7719

 16.6351, 19.2527,
4.7334

 16.9728, 19.5287,
6.0774

 17.3904, 19.8377,
7.8389

■ 17.8938, 20.1820,
10.0491

■ 18.4883, 20.5637,
12.7362

■ 19.1789, 20.9849,
15.9260

■ 19.9702, 21.4473,
19.6427

Harmonies

Analogous

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



21.6023, 18.5862, 3.1618



16.0128, 18.5862, 2.7435



11.8283, 18.5862, 4.8028

Triad

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



16.0128, 18.5862, 2.7435



10.7592, 18.5862, 45.7969



29.3632, 18.5862, 32.6956

Complementary

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



16.0128, 18.5862, 2.7435



4.0385, 1.7370, 20.8912

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.



25.1633, 18.5862, 53.2858



16.0128, 18.5862, 2.7435



14.2388, 18.5862, 63.1632

Square

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



16.0128, 18.5862, 2.7435



9.2321, 18.5862, 25.5309



19.4284, 18.5862, 66.4448



30.1096, 18.5862, 15.7310

Rectangle

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



16.0128, 18.5862, 2.7435



10.1114, 18.5862, 8.5073



19.4284, 18.5862, 66.4448



28.2728, 18.5862, 39.6101

Sweetspot

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



16.0132, 18.5871, 2.7439



33.0278, 36.7746, 22.4379



9.1004, 4.6861, 0.6720



7.3877, 8.2681, 4.6788



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.



16.0132, 18.5871, 2.7439



28.6402, 33.2134, 4.9013



10.6057, 17.1209, 2.7459



4.6460, 4.9807, 4.6366



15.6141, 18.1246, 2.6755



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.0385, 1.7370, 20.8912



7.1949, 3.0365, 37.3994



5.5880, 2.4231, 20.9419



4.1261, 4.2463, 5.4154



3.9385, 1.6955, 20.3696



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.0128, 18.5862, 2.7435 looks on a white 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

Black Background



This preview shows how the XYZ color 16.0128, 18.5862, 2.7435 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.0128, 18.5862, 2.7435

Background



This preview shows how black text looks on a background with the XYZ color 16.0128, 18.5862, 2.7435.



This preview shows how white text looks on a background with the XYZ color 16.0128, 18.5862,

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

16.0128, 18.5862, 2.7435

Protanopia

16.7081, 18.5838, 2.7064

Deuteranopia

18.7688, 18.4300, 3.0984



Tritanopia

19.7345, 18.5338, 20.9496

Trichromacy



Original Color

16.0128, 18.5862, 2.7435

Protanomaly

16.5102, 18.6613, 2.7318

Deuteranomaly

17.6335, 18.3546, 2.9300

Tritanomaly

17.4521, 18.1092, 9.7833

Monochromacy



Original Color

16.0128, 18.5862, 2.7435

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.4589, 16.2587, 8.1705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0128, 18.5862, 2.7435 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, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(129, 122, 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(129, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 122, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.0128, 18.5862, 2.7435 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, 122, 0) }
```


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

```
.border{ border-color:rgb(129, 122, 0) }
```

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

Here you see how a box with a 4 pixel rgb(129, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 122,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0128, 18.5862, 2.7435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 122, 0) }
```

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

```
.background{ background-color: rgb(129,  
122, 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](#).

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