

Converting Colors

XYZ(15.6287, 18.3018, 2.4440)

Have a look what the booklet for
XYZ(15.6287, 18.3018, 2.4440)
contains.

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Color

**XYZ(15.5898, 18.1868,
2.6887)**

Conversions

Conversions Part 1

Format	Color
Hex	7F7900
RGB	127, 121, 0
RGB Percent	50%, 47%, 0%
CMY	0.5020, 0.5255, 1.0000
CMYK	0.00, 0.05, 1.00, 0.50
HSL	57°, 100%, 25%
HSV	57°, 100%, 50%
XYZ	15.5898, 18.1868, 2.6887
YIQ	109.0000, 42.4170, -36.3590

Conversions

Conversions Part 2

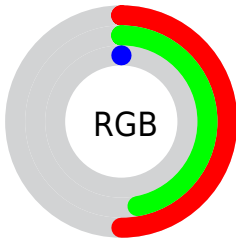
Format	Color
RYB	6, 127, 0
Decimal	8354048
CIELab	49.72, -9.59, 55.07
CIELCh	50, 55.901, 99.875
Yxy	18.1868, 0.4275, 0.4987
Android (android.graphics.Color)	4286544128 (0xFF7F7900)
YUV	109.0000, -53.7370, 15.7860
Hunter-Lab	42.6460, -9.3775, 26.1141

Details

The XYZ color **15.5898, 18.1868, 2.6887** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.8960, 1.6626, 20.1942**, and the grayscale version is **14.6758, 15.4401, 16.8142**.

A 20% lighter version of the original color is **35.4261, 40.3361, 10.9195**, and **5.2066, 6.2209, 0.9263** is the 20% darker color. If you saturate the color by 10%, you get **15.5901, 18.1876, 2.6889**, and if you desaturate by 10%, it is **15.7340, 18.3622, 3.0859**.

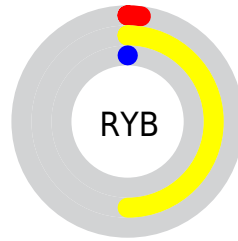
Distribution



Red (50%)

Green (47%)

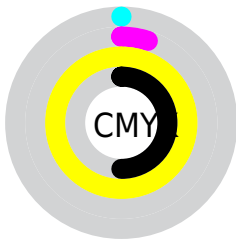
Blue (0%)



Red (2%)

Yellow (50%)

Blue (0%)

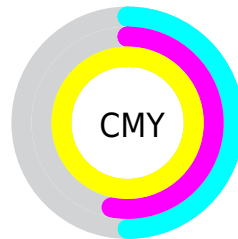


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (50%)



Cyan (50%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5898, 18.1868, 2.6887 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 15.5898, 18.1868, 2.6887 by changing the saturation by 10% instead.

■ 15.5898, 18.1868,
2.6887

■ 15.5898, 18.1868,
2.6887

220.2272,
241.9218, 132.2913

■ 9.3234, 11.0842,
0.9377

■ 35.4478, 40.3554,
10.8501

■ 5.0115, 6.1235,
0.0000

■ 49.7701, 56.1901,
18.0979

■ 2.2888, 2.9203,
0.0000

■ 67.5084, 75.7044,
28.0151

■ 0.7889, 1.0903,
0.0000


■ 89.0280, 99.2825,
41.0202


■ 0.0000, 0.0000,
0.0000


■ 114.6944,
127.3089, 57.5319


■ 144.8728,


160.1680, 77.9686


 179.9286,
198.2442, 102.7489


 15.5898, 18.1868,
2.6887


 15.5898, 18.1868,
2.6887


 15.5901, 18.1876,
2.6889

 15.7340, 18.3622,
3.0859

 15.9167, 18.5529,
3.6850

 16.1624, 18.7696,
4.6138

 16.4786, 19.0152,
5.9114

 16.8717, 19.2923,
7.6117

■ 17.3473, 19.6032,
9.7447

■ 17.9107, 19.9499,
12.3373

■ 18.5665, 20.3343,
15.4146

■ 19.3192, 20.7582,
18.9997

Harmonies

Analogous

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



21.0515, 18.1868, 3.0629



15.5898, 18.1868, 2.6887



11.5203, 18.1868, 4.7513

Triad

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



15.5898, 18.1868, 2.6887



10.5618, 18.1868, 45.1608



28.7848, 18.1868, 31.6949

Complementary

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



15.5898, 18.1868, 2.6887



3.8960, 1.6626, 20.1942

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.



24.7117, 18.1868, 51.8847



15.5898, 18.1868, 2.6887



13.9986, 18.1868, 62.0351

Square

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



15.5898, 18.1868, 2.6887



9.0373, 18.1868, 25.2655



19.1010, 18.1868, 64.9822



29.4547, 18.1868, 15.1896

Rectangle

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



15.5898, 18.1868, 2.6887



9.8597, 18.1868, 8.4345



19.1010, 18.1868, 64.9822



27.7337, 18.1868, 38.4542

Sweetspot

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



15.5902, 18.1877, 2.6891



31.9961, 35.6790, 21.7310



8.7872, 4.5261, 0.5930



7.4039, 8.3004, 4.6842



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.



15.5902, 18.1877, 2.6891



27.8874, 32.5078, 4.8048



10.1046, 16.4753, 2.6477



4.6485, 4.9857, 4.6375



15.7229, 18.3422, 2.7117



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.8960, 1.6626, 20.1942



6.9450, 2.9139, 36.1527



5.5269, 2.4068, 20.2518



4.1239, 4.2418, 5.4147



3.9288, 1.6761, 20.3664



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.5898, 18.1868, 2.6887 looks on a white background.

Color Contrast Check

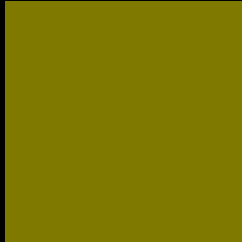
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 15.5898, 18.1868, 2.6887 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 15.5898, 18.1868, 2.6887

Background



This preview shows how black text looks on a background with the XYZ color 15.5898, 18.1868, 2.6887.



This preview shows how white text looks on a background with the XYZ color 15.5898, 18.1868,

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

15.5898, 18.1868, 2.6887

Protanopia

16.4283, 18.2620, 2.6590

Deuteranopia

18.2898, 18.0184, 3.0442



Tritanopia

19.2370, 18.1197, 20.5727

Trichromacy



Original Color

15.5898, 18.1868, 2.6887

Protanomaly

16.0765, 18.2582, 2.6769

Deuteranomaly

17.1756, 17.9483, 2.8757

Tritanomaly

16.9860, 17.7028, 9.5429

Monochromacy



Original Color

15.5898, 18.1868, 2.6887

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.1818, 15.9529, 7.9620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5898, 18.1868, 2.6887 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(127, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(127, 121, 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(127, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 121, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.5898, 18.1868, 2.6887 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(127, 121, 0) }
```


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

```
.border{ border-color:rgb(127, 121, 0) }
```

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

Here you see how a box with a 4 pixel rgb(127, 121, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(127, 121,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5898, 18.1868, 2.6887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 121, 0) }
```

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

```
.background{ background-color: rgb(127,  
121, 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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