

Converting Colors

XYZ(12.2913, 16.1663, 0.0896)

Have a look what the booklet for
XYZ(12.2913, 16.1663, 0.0896)
contains.

XYZ(12.7812, 16.3818, 2.4884)	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(12.7812, 16.3818,
2.4884)**

Conversions

Conversions Part 1

Format	Color
Hex	6C7700
RGB	108, 119, 0
RGB Percent	42%, 47%, 0%
CMY	0.5765, 0.5333, 1.0000
CMYK	0.09, 0.00, 1.00, 0.53
HSL	66°, 100%, 23%
HSV	66°, 100%, 47%
XYZ	12.7812, 16.3818, 2.4884
YIQ	102.1450, 31.6430, -39.3410

Conversions

Conversions Part 2

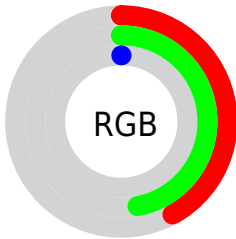
Format	Color
RYB	0, 119, 11
Decimal	7108352
CIELab	47.47, -17.42, 52.68
CIElCh	47, 55.483, 108.301
Yxy	16.3818, 0.4038, 0.5176
Android (android.graphics.Color)	4285298432 (0xFF6C7700)
YUV	102.1450, -50.3575, 5.1348
Hunter-Lab	40.4744, -14.4627, 24.6869

Details

The XYZ color **12.7812, 16.3818, 2.4884** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.4682, 1.4034, 17.5418**, and the grayscale version is **12.7898, 13.4559, 14.6534**.

A 20% lighter version of the original color is **30.5644, 37.2712, 10.2858**, and **3.8841, 5.3472, 0.8274** is the 20% darker color. If you saturate the color by 10%, you get **12.7814, 16.3825, 2.4885**, and if you desaturate by 10%, it is **12.9820, 16.4783, 2.8413**.

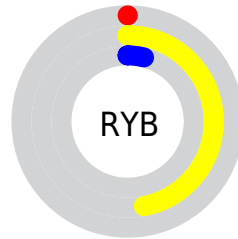
Distribution



Red (42%)

Green (47%)

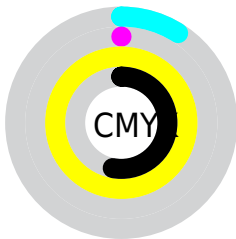
Blue (0%)



Red (0%)

Yellow (47%)

Blue (4%)

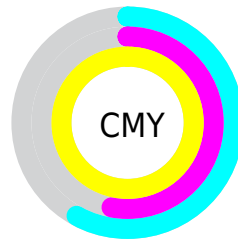


Cyan (9%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (58%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7812, 16.3818, 2.4884 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 12.7812, 16.3818, 2.4884 by changing the saturation by 10% instead.

■ 12.7812, 16.3818,
2.4884

■ 12.7812, 16.3818,
2.4884

203.1767,
231.5842, 129.5512

■ 7.3540, 9.7947,
0.8340

■ 30.5148, 37.2598,
10.3375

■ 3.7328, 5.2631,
0.0000

■ 43.5519, 52.3195,
17.3751

■ 1.5521, 2.4024,
0.0000

■ 59.8564, 70.9721,
27.0462

■ 0.3609, 0.8271,
0.0000


■ 79.7936, 93.6022,
39.7691


■ 0.0000, 0.0000,
0.0000


■ 103.7289,
120.5940, 55.9626


■ 132.0276,


152.3321, 76.0450


 165.0551,
189.2007, 100.4351


 12.7812, 16.3818,
2.4884


 12.7812, 16.3818,
2.4884


 12.7814, 16.3825,
2.4885

 12.9820, 16.4783,
2.8413

 13.2155, 16.5874,
3.3590

 13.5047, 16.7191,
4.1612

 13.8560, 16.8757,
5.2813

 14.2747, 17.0596,
6.7479

■ 14.7658, 17.2726,
8.5863

■ 15.3336, 17.5164,
10.8195

■ 15.9821, 17.7928,
13.4689

■ 16.7150, 18.1031,
16.5540

Harmonies

Analogous

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



17.5714, 16.3818, 2.2772



12.7812, 16.3818, 2.4884



9.5143, 16.3818, 5.1920

Triad

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



12.7812, 16.3818, 2.4884



10.0806, 16.3818, 46.7296



26.8108, 16.3818, 23.9232

Complementary

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



12.7812, 16.3818, 2.4884



3.4682, 1.4034, 17.5418

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.



23.7686, 16.3818, 42.6558



12.7812, 16.3818, 2.4884



13.7274, 16.3818, 59.7760

Square

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



12.7812, 16.3818, 2.4884



8.1970, 16.3818, 27.7843



18.7385, 16.3818, 57.9834



26.4073, 16.3818, 10.6022

Rectangle

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



12.7812, 16.3818, 2.4884



8.3229, 16.3818, 9.5689



18.7385, 16.3818, 57.9834



26.1349, 16.3818, 29.8658

Sweetspot

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



12.7816, 16.3826, 2.4887



27.3734, 31.3296, 19.0401



7.7160, 4.1376, 0.3922



6.4020, 7.3883, 4.1737



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.7816, 16.3826, 2.4887



22.8259, 29.3035, 4.4531



7.8925, 13.8621, 2.2599



3.9349, 4.2499, 3.9552



13.5746, 17.4023, 2.6435



65.7675, 84.6062, 12.8643

Inverse Universe

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



3.4682, 1.4034, 17.5418



6.1498, 2.4815, 31.4079



5.8144, 2.6129, 17.6516



3.5292, 3.6046, 4.6000



3.6800, 1.4884, 18.6359



17.5955, 7.0793, 90.7993

Previews

White Background



This preview shows how the XYZ color 12.7812, 16.3818, 2.4884 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

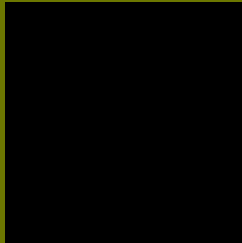
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7812, 16.3818, 2.4884

Background



This preview shows how black text looks on a background with the XYZ color 12.7812, 16.3818, 2.4884.



This preview shows how white text looks on a background with the XYZ color 12.7812, 16.3818,

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

12.7812, 16.3818, 2.4884

Protanopia

14.6575, 16.3223, 2.3780

Deuteranopia

16.5393, 16.3167, 2.9395



Tritanopia

16.3503, 16.4827, 19.7725

Trichromacy



Original Color

12.7812, 16.3818, 2.4884

Protanomaly

13.8765, 16.2545, 2.4061

Deuteranomaly

14.9630, 16.1438, 2.7082

Tritanomaly

14.2613, 16.1338, 9.2000

Monochromacy



Original Color

12.7812, 16.3818, 2.4884

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.0256, 14.0498, 7.0791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7812, 16.3818, 2.4884 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(108, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(108, 119, 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(108, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 119, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.7812, 16.3818, 2.4884 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(108, 119, 0) }
```


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

```
.border{ border-color:rgb(108, 119, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 119, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(108, 119,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7812, 16.3818, 2.4884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 119, 0) }
```

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

```
.background{ background-color: rgb(108,  
119, 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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