

Converting Colors

XYZ(12.5562, 16.2664, 2.4779)

Have a look what the booklet for
XYZ(12.5562, 16.2664, 2.4779)
contains.

XYZ(12.5407, 16.2578, 2.4771)	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(12.5407, 16.2578,
2.4771)**

Conversions

Conversions Part 1

Format	Color
Hex	6A7700
RGB	106, 119, 0
RGB Percent	42%, 47%, 0%
CMY	0.5843, 0.5333, 1.0000
CMYK	0.11, 0.00, 1.00, 0.53
HSL	67°, 100%, 23%
HSV	67°, 100%, 47%
XYZ	12.5407, 16.2578, 2.4771
YIQ	101.5470, 30.4510, -39.7650

Conversions

Conversions Part 2

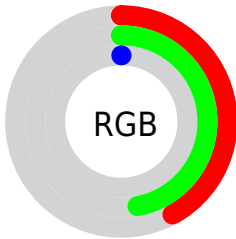
Format	Color
RYB	0, 119, 13
Decimal	6977280
CIELab	47.31, -18.35, 52.49
CIELCh	47, 55.600, 109.267
Yxy	16.2578, 0.4010, 0.5198
Android (android.graphics.Color)	4285167360 (0xFF6A7700)
YUV	101.5470, -50.0627, 3.9053
Hunter-Lab	40.3210, -15.0443, 24.5822

Details

The XYZ color **12.5407, 16.2578, 2.4771** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.4962, 1.4178, 17.5431**, and the grayscale version is **12.6324, 13.2903, 14.4731**.

A 20% lighter version of the original color is **30.1581, 37.0618, 10.2668**, and **3.7746, 5.2907, 0.8223** is the 20% darker color. If you saturate the color by 10%, you get **12.5409, 16.2585, 2.4772**, and if you desaturate by 10%, it is **12.7626, 16.3651, 2.8310**.

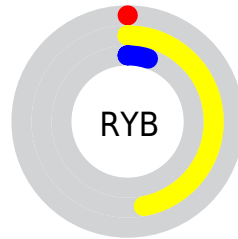
Distribution



Red (42%)

Green (47%)

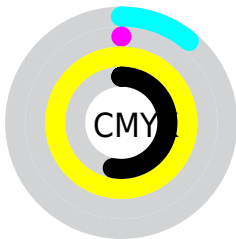
Blue (0%)



Red (0%)

Yellow (47%)

Blue (5%)

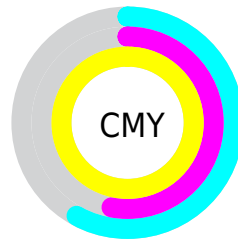


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (58%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5407, 16.2578, 2.4771 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 12.5407, 16.2578, 2.4771 by changing the saturation by 10% instead.

■ 12.5407, 16.2578,
2.4771

■ 12.5407, 16.2578,
2.4771

201.6504,
230.8582, 129.3935

■ 7.1879, 9.7068,
0.8280

■ 30.0845, 37.0452,
10.3083

■ 3.6272, 5.2050,
0.0000

■ 43.0062, 52.0503,
17.3338

■ 1.4935, 2.3680,
0.0000

■ 59.1815, 70.6423,
26.9907

■ 0.3214, 0.8094,
0.0000


■ 78.9759, 93.2054,
39.6974


■ 0.0000, 0.0000,
0.0000


■ 102.7546,
120.1242, 55.8724


■ 130.8830,


151.7830, 75.9345


 163.7265,
188.5662, 100.3020


 12.5407, 16.2578,
2.4771


 12.5407, 16.2578,
2.4771


 12.5409, 16.2585,
2.4772

 12.7626, 16.3651,
2.8310

 13.0177, 16.4855,
3.3496

 13.3293, 16.6286,
4.1529

 13.7036, 16.7971,
5.2740

 14.1460, 16.9932,
6.7416

■ 14.6614, 17.2187,
8.5811

■ 15.2542, 17.4755,
10.8155

■ 15.9284, 17.7651,
13.4660

■ 16.6878, 18.0890,
16.5523

Harmonies

Analogous

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



17.2791, 16.2578, 2.2067



12.5407, 16.2578, 2.4771



9.3435, 16.2578, 5.2677

Triad

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



12.5407, 16.2578, 2.4771



10.0724, 16.2578, 47.1292



26.7141, 16.2578, 23.2323

Complementary

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



12.5407, 16.2578, 2.4771



3.4962, 1.4178, 17.5431

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.



23.7716, 16.2578, 41.8697



12.5407, 16.2578, 2.4771



13.7595, 16.2578, 59.7983

Square

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



12.5407, 16.2578, 2.4771



8.1414, 16.2578, 28.2123



18.7835, 16.2578, 57.4831



26.1935, 16.2578, 10.1922

Rectangle

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



12.5407, 16.2578, 2.4771



8.1954, 16.2578, 9.7490



18.7835, 16.2578, 57.4831



26.0762, 16.2578, 29.1084

Sweetspot

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



12.5411, 16.2585, 2.4774



27.2280, 31.2547, 19.0333



7.7385, 4.1829, 0.3997



6.3639, 7.3687, 4.1719



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.



12.5411, 16.2585, 2.4774



22.3860, 29.0767, 4.4325



7.7976, 13.8132, 2.2554



3.9292, 4.2470, 3.9549



13.3185, 17.2703, 2.6315



64.4606, 83.9324, 12.8031

Inverse Universe

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



3.4962, 1.4178, 17.5431



6.1938, 2.5042, 31.4100



5.9583, 2.6871, 17.6583



3.5344, 3.6073, 4.6002



3.7093, 1.5035, 18.6373



17.6998, 7.1331, 90.8042

Previews

White Background



This preview shows how the XYZ color 12.5407, 16.2578, 2.4771 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 12.5407, 16.2578, 2.4771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

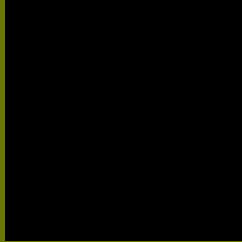
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5407, 16.2578, 2.4771

Background



This preview shows how black text looks on a background with the XYZ color 12.5407, 16.2578, 2.4771.



This preview shows how white text looks on a background with the XYZ color 12.5407, 16.2578,

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

12.5407, 16.2578, 2.4771

Protanopia

14.5466, 16.1004, 2.3410

Deuteranopia

16.4356, 16.1094, 2.9050



Tritanopia

16.0844, 16.3456, 19.7600

Trichromacy



Original Color

12.5407, 16.2578, 2.4771

Protanomaly

13.7385, 16.1834, 2.3996

Deuteranomaly

14.8103, 16.0651, 2.7010

Tritanomaly

14.0039, 16.0012, 9.1879

Monochromacy



Original Color

12.5407, 16.2578, 2.4771

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.9102, 13.9903, 7.0737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5407, 16.2578, 2.4771 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(106, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(106, 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(106, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 119, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.5407, 16.2578, 2.4771 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(106, 119, 0) }
```


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

```
.border{ border-color:rgb(106, 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(106, 119, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(106, 119,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5407, 16.2578, 2.4771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 119, 0) }
```

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

```
.background{ background-color: rgb(106,  
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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