

Converting Colors

XYZ(12.8742, 16.1321, 2.4353)

Have a look what the booklet for
XYZ(12.8742, 16.1321, 2.4353)
contains.

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Color

**XYZ(12.7917, 16.0376,
2.4214)**

Conversions

Conversions Part 1

Format	Color
Hex	6E7500
RGB	110, 117, 0
RGB Percent	43%, 46%, 0%
CMY	0.5686, 0.5412, 1.0000
CMYK	0.06, 0.00, 1.00, 0.54
HSL	64°, 100%, 23%
HSV	64°, 100%, 46%
XYZ	12.7917, 16.0376, 2.4214
YIQ	101.5690, 33.3850, -37.8710

Conversions

Conversions Part 2

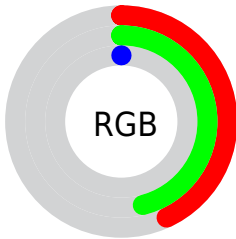
Format	Color
RYB	0, 117, 7
Decimal	7238912
CIELab	47.02, -15.42, 52.42
CIELCh	47, 54.641, 106.394
Yxy	16.0376, 0.4093, 0.5132
Android (android.graphics.Color)	4285428992 (0xFF6E7500)
YUV	101.5690, -50.0735, 7.3940
Hunter-Lab	40.0470, -13.0662, 24.4480

Details

The XYZ color **12.7917, 16.0376, 2.4214** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.2989, 1.3299, 16.9135**, and the grayscale version is **12.6377, 13.2958, 14.4792**.

A 20% lighter version of the original color is **30.6022, 36.7341, 10.1801**, and **3.8730, 5.1558, 0.7910** is the 20% darker color. If you saturate the color by 10%, you get **12.7920, 16.0383, 2.4215**, and if you desaturate by 10%, it is **12.9441, 16.1093, 2.7657**.

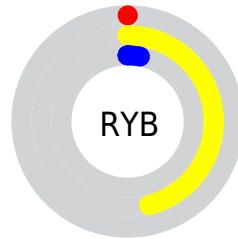
Distribution



Red (43%)

Green (46%)

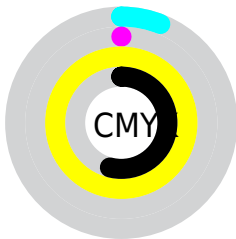
Blue (0%)



Red (0%)

Yellow (46%)

Blue (3%)

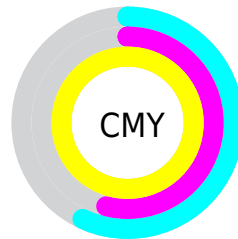


Cyan (6%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (57%)

Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7917, 16.0376, 2.4214 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 12.7917, 16.0376, 2.4214 by changing the saturation by 10% instead.

■ 12.7917, 16.0376,
2.4214

■ 12.7917, 16.0376,
2.4214

203.2431,
229.5635, 128.6109

■ 7.3613, 9.5508,
0.7981

■ 30.5336, 36.6635,
10.1638

■ 3.7374, 5.1021,
0.0000

■ 43.5757, 51.5713,
17.1293

■ 1.5547, 2.3073,
0.0000

■ 59.8858, 70.0549,
26.7158

■ 0.3626, 0.7776,
0.0000


■ 79.8292, 92.4987,
39.3417


■ 0.0000, 0.0000,
0.0000


■ 103.7713,
119.2870, 55.4256


■ 132.0774,


150.8044, 75.3861


 165.1129,
187.4350, 99.6417


 12.7917, 16.0376,
2.4214


 12.7917, 16.0376,
2.4214


 12.7920, 16.0383,
2.4215

 12.9441, 16.1093,
2.7657

 13.1265, 16.1924,
3.2659

 13.3616, 16.2967,
4.0400

 13.6554, 16.4246,
5.1198

 14.0132, 16.5781,
6.5327

■ 14.4396, 16.7592,
8.3030

■ 14.9387, 16.9694,
10.4529

■ 15.5144, 17.2104,
13.0026

■ 16.1704, 17.4835,
15.9710

Harmonies

Analogous

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



17.5110, 16.0376, 2.3336



12.7917, 16.0376, 2.4214



9.5058, 16.0376, 4.8665

Triad

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



12.7917, 16.0376, 2.4214



9.7388, 16.0376, 44.3256



26.0449, 16.0376, 24.4209

Complementary

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



12.7917, 16.0376, 2.4214



3.2989, 1.3299, 16.9135

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.



22.9208, 16.0376, 42.6599



12.7917, 16.0376, 2.4214



13.1803, 16.0376, 57.6178

Square

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



12.7917, 16.0376, 2.4214



8.0123, 16.0376, 26.0026



17.9896, 16.0376, 56.8854



25.8796, 16.0376, 11.0324

Rectangle

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



12.7917, 16.0376, 2.4214



8.2728, 16.0376, 8.8951



17.9896, 16.0376, 56.8854



25.3206, 16.0376, 30.2775

Sweetspot

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



12.7921, 16.0383, 2.4217



26.6745, 30.3541, 18.3905



7.4002, 3.9093, 0.3648



6.0626, 6.9493, 3.9231



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.7921, 16.0383, 2.4217



22.8650, 28.6974, 4.3340



7.8119, 13.4710, 2.1887



3.9461, 4.2557, 3.9557



14.0885, 17.6673, 2.6676



68.3956, 85.9610, 12.9873

Inverse Universe

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



3.2989, 1.3299, 16.9135



5.8644, 2.3590, 30.2832



5.3487, 2.3866, 17.0094



3.5191, 3.5994, 4.5995



3.6294, 1.4624, 18.6335



17.4360, 6.9971, 90.7919

Previews

White Background



This preview shows how the XYZ color 12.7917, 16.0376, 2.4214 looks on a white background.

Color Contrast Check

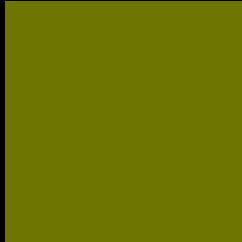
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7917, 16.0376, 2.4214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

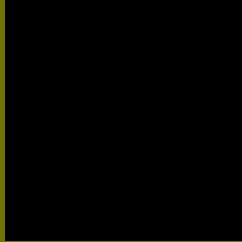
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7917, 16.0376, 2.4214

Background



This preview shows how black text looks on a background with the XYZ color 12.7917, 16.0376, 2.4214.



This preview shows how white text looks on a background with the XYZ color 12.7917, 16.0376,

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

12.7917, 16.0376, 2.4214

Protanopia

14.3984, 16.0240, 2.3341

Deuteranopia

16.2561, 16.0178, 2.8511



Tritanopia

16.1507, 16.0732, 19.0808

Trichromacy



Original Color

12.7917, 16.0376, 2.4214

Protanomaly

13.7630, 16.0277, 2.3683

Deuteranomaly

14.8482, 15.9242, 2.6389

Tritanomaly

14.1004, 15.7276, 8.7711

Monochromacy



Original Color

12.7917, 16.0376, 2.4214

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.0375, 13.9003, 7.0496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7917, 16.0376, 2.4214 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(110, 117, 0)` looks like.

```
.text, #text, p{  
    color:rgb(110, 117, 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(110, 117, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 117, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.7917, 16.0376, 2.4214 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(110, 117, 0) }
```


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

```
.border{ border-color:rgb(110, 117, 0) }
```

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

Here you see how a box with a 4 pixel rgb(110, 117, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 117, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 117, 0);  
box-shadow:4px 4px 4px 4px rgb(110, 117,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7917, 16.0376, 2.4214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 117, 0) }
```

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

```
.background{ background-color: rgb(110,  
117, 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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