

Converting Colors

XYZ(12.1080, 16.5118, 1.5823)

Have a look what the booklet for
XYZ(12.1080, 16.5118, 1.5823)
contains.

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Color

**XYZ(12.3264, 16.6858,
2.5710)**

Conversions

Conversions Part 1

Format	Color
Hex	657A00
RGB	101, 122, 0
RGB Percent	40%, 48%, 0%
CMY	0.6039, 0.5216, 1.0000
CMYK	0.17, 0.00, 1.00, 0.52
HSL	70°, 100%, 24%
HSV	70°, 100%, 48%
XYZ	12.3264, 16.6858, 2.5710
YIQ	101.8130, 26.6460, -42.3940

Conversions

Conversions Part 2

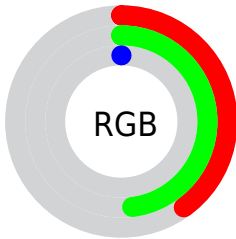
Format	Color
RYB	0, 122, 21
Decimal	6650368
CIELab	47.86, -22.18, 52.73
CIELCh	48, 57.203, 112.813
Yxy	16.6858, 0.3903, 0.5283
Android (android.graphics.Color)	4284840448 (0xFF657A00)
YUV	101.8130, -50.1938, -0.7130
Hunter-Lab	40.8483, -17.6202, 24.8621

Details

The XYZ color **12.3264, 16.6858, 2.5710** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.8226, 1.5649, 18.5140**, and the grayscale version is **12.7031, 13.3646, 14.5541**.

A 20% lighter version of the original color is **29.5790, 37.6108, 10.5511**, and **3.6979, 5.4432, 0.8557** is the 20% darker color. If you saturate the color by 10%, you get **12.3266, 16.6865, 2.5711**, and if you desaturate by 10%, it is **12.6326, 16.8364, 2.9385**.

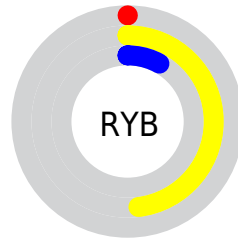
Distribution



Red (40%)

Green (48%)

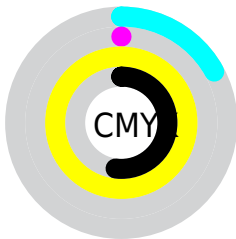
Blue (0%)



Red (0%)

Yellow (48%)

Blue (8%)

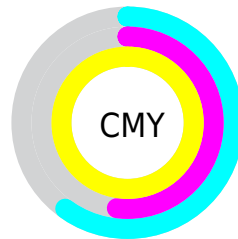


Cyan (17%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (60%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3264, 16.6858, 2.5710 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 12.3264, 16.6858, 2.5710 by changing the saturation by 10% instead.

■ 12.3264, 16.6858,
2.5710

■ 12.3264, 16.6858,
2.5710

200.2804,
233.3552, 130.6937

■ 7.0402, 10.0107,
0.8774

■ 29.6999, 37.7848,
10.5501

■ 3.5338, 5.4061,
0.0000

■ 42.5179, 52.9774,
17.6753

■ 1.4419, 2.4874,
0.0000

■ 58.5772, 71.7781,
27.4490

■ 0.2858, 0.8703,
0.0000


■ 78.2431, 94.5712,
40.2898


■ 0.0000, 0.0000,
0.0000


■ 101.8810,
121.7410, 56.6161


■ 129.8563,


153.6720, 76.8465


 162.5343,
190.7486, 101.3995


 12.3264, 16.6858,
2.5710


 12.3264, 16.6858,
2.5710


 12.3266, 16.6865,
2.5711

 12.6326, 16.8364,
2.9385

 12.9784, 17.0029,
3.4844

 13.3874, 17.1955,
4.3317

 13.8665, 17.4167,
5.5155

 14.4214, 17.6690,
7.0665

■ 15.0573, 17.9545,
9.0117

■ 15.7790, 18.2749,
11.3757

■ 16.5907, 18.6321,
14.1809

■ 17.4965, 19.0277,
17.4483

Harmonies

Analogous

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



17.1288, 16.6858, 2.0670



12.3264, 16.6858, 2.5710



9.2146, 16.6858, 5.8649

Triad

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



12.3264, 16.6858, 2.5710



10.6025, 16.6858, 51.3517



27.8304, 16.6858, 21.9458

Complementary

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



12.3264, 16.6858, 2.5710



3.8226, 1.5649, 18.5140

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.



25.1122, 16.6858, 41.2197



12.3264, 16.6858, 2.5710



14.6543, 16.6858, 63.2307

Square

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



12.3264, 16.6858, 2.5710



8.3799, 16.6858, 31.5070



20.0101, 16.6858, 58.7641



26.8304, 16.6858, 9.2521

Rectangle

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



12.3264, 16.6858, 2.5710



8.1648, 16.6858, 11.0196



20.0101, 16.6858, 58.7641



27.3045, 16.6858, 27.8854

Sweetspot

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



12.3268, 16.6866, 2.5714



27.6606, 32.1061, 19.6831



8.2827, 4.6502, 0.4612



6.2238, 7.2964, 4.1653



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.



12.3268, 16.6866, 2.5714



21.5856, 29.3036, 4.5185



7.8614, 14.3846, 2.3624



4.2433, 4.6007, 4.2889



12.9712, 17.5641, 2.7066



61.2428, 83.4572, 12.8810

Inverse Universe

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



3.8226, 1.5649, 18.5140



6.6380, 2.7081, 32.5658



6.9355, 3.1697, 18.6597



3.8561, 3.9237, 4.9973



4.0187, 1.6445, 19.4909



18.6579, 7.5805, 92.9496

Previews

White Background



This preview shows how the XYZ color 12.3264, 16.6858, 2.5710 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 12.3264, 16.6858, 2.5710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

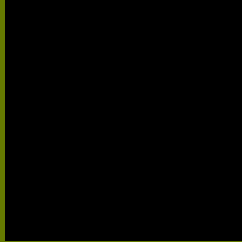
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3264, 16.6858, 2.5710

Background



This preview shows how black text looks on a background with the XYZ color 12.3264, 16.6858, 2.5710.



This preview shows how white text looks on a background with the XYZ color 12.3264, 16.6858,

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

12.3264, 16.6858, 2.5710

Protanopia

14.9194, 16.6238, 2.4224

Deuteranopia

16.8256, 16.6189, 3.0304



Tritanopia

15.9735, 16.5949, 20.7736

Trichromacy



Original Color

12.3264, 16.6858, 2.5710

Protanomaly

13.8325, 16.5741, 2.4701

Deuteranomaly

14.8799, 16.4285, 2.7675

Tritanomaly

13.6839, 16.1666, 9.6070

Monochromacy



Original Color

12.3264, 16.6858, 2.5710

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

11.9023, 14.1437, 7.1037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3264, 16.6858, 2.5710 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(101, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(101, 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(101, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 122, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.3264, 16.6858, 2.5710 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(101, 122, 0) }
```


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

```
.border{ border-color:rgb(101, 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(101, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(101, 122,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3264, 16.6858, 2.5710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 122, 0) }
```

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

```
.background{ background-color: rgb(101,  
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](#).

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