

Converting Colors

XYZ(12.1902, 15.0389, 2.7887)

Have a look what the booklet for
XYZ(12.1902, 15.0389, 2.7887)
contains.

XYZ(12.1906, 15.0389, 2.7906)	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(12.1906, 15.0389,
2.7906)**

Conversions

Conversions Part 1

Format	Color
Hex	6C7111
RGB	108, 113, 17
RGB Percent	42%, 44%, 7%
CMY	0.5765, 0.5568, 0.9333
CMYK	0.04, 0.00, 0.85, 0.56
HSL	63°, 74%, 25%
HSV	63°, 85%, 44%
XYZ	12.1906, 15.0389, 2.7906
YIQ	100.5610, 27.8360, -30.9160

Conversions

Conversions Part 2

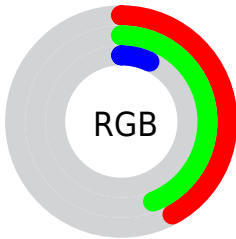
Format	Color
RYB	17, 113, 22
Decimal	7106833
CIELab	45.69, -13.74, 47.39
CIELCh	46, 49.342, 106.169
Yxy	15.0389, 0.4061, 0.5010
Android (android.graphics.Color)	4285296913 (0xFF6C7111)
YUV	100.5610, -41.1956, 6.5240
Hunter-Lab	38.7800, -11.7531, 22.8795

Details

The XYZ color **12.1906, 15.0389, 2.7906** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.5124, 1.7641, 15.7792**, and the grayscale version is **12.3546, 12.9980, 14.1548**.

A 20% lighter version of the original color is **29.4928, 35.0466, 11.1715**, and **3.5776, 4.6505, 0.7091** is the 20% darker color. If you saturate the color by 10%, you get **12.0496, 14.9748, 2.4192**, and if you desaturate by 10%, it is **12.3749, 15.1215, 3.3844**.

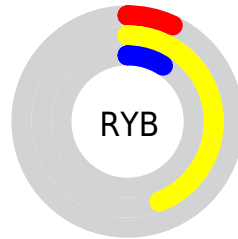
Distribution



Red (42%)

Green (44%)

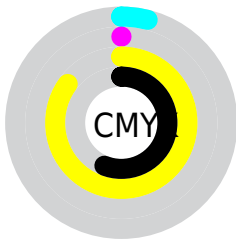
Blue (7%)



Red (7%)

Yellow (44%)

Blue (9%)

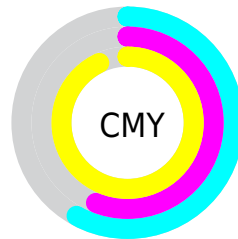


Cyan (4%)

Magenta (0%)

Yellow (85%)

Black (56%)



Cyan (58%)

Magenta (56%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1906, 15.0389, 2.7906 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 12.1906, 15.0389, 2.7906 by changing the saturation by 10% instead.

■ 12.1906, 15.0389,
2.7906

■ 12.1906, 15.0389,
2.7906

199.4073,
223.6016, 133.6473

■ 6.9467, 8.8467,
0.9887

■ 29.4556, 34.9214,
11.1072

■ 3.4748, 4.6413,
0.0000

■ 42.2075, 49.3805,
18.4590

■ 1.4096, 2.0384,
0.0000

■ 58.1928, 67.3640,
28.4979

■ 0.2630, 0.6296,
0.0000


■ 77.7768, 89.2563,
41.6424


■ 0.0000, 0.0000,
0.0000


■ 101.3249,
115.4418, 58.3110


■ 129.2024,


146.3049, 78.9224


 161.7748,
182.2301, 103.8949


 12.1906, 15.0389,
2.7906


 12.1906, 15.0389,
2.7906


 12.0496, 14.9748,
2.4192


 12.3749, 15.1215,
3.3844

 11.9825, 14.9438,
2.2529

 12.6103, 15.2240,
4.2464

 12.9023, 15.3492,
5.4038

 13.2554, 15.4989,
6.8801

 13.6735, 15.6747,
8.6966

■ 14.1604, 15.8781,
10.8726

■ 14.7195, 16.1103,
13.4260

■ 15.3539, 16.3728,
16.3736

■ 16.0666, 16.6666,
19.7311

Harmonies

Analogous

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



16.2820, 15.0389, 2.7173



12.1906, 15.0389, 2.7906



9.2877, 15.0389, 5.1196

Triad

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



12.1906, 15.0389, 2.7906



9.4609, 15.0389, 38.9312



23.4969, 15.0389, 22.4497

Complementary

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



12.1906, 15.0389, 2.7906



3.5124, 1.7641, 15.7792

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.



20.8373, 15.0389, 37.7718



12.1906, 15.0389, 2.7906



12.4748, 15.0389, 49.9699

Square

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



12.1906, 15.0389, 2.7906



7.9324, 15.0389, 23.5763



16.6265, 15.0389, 49.4653



23.3801, 15.0389, 10.8130

Rectangle

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



12.1906, 15.0389, 2.7906



8.1805, 15.0389, 8.7848



16.6265, 15.0389, 49.4653



22.8788, 15.0389, 27.4169

Sweetspot

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



12.1909, 15.0396, 2.7909



25.2885, 28.4030, 19.1668



7.1949, 4.1178, 0.9461



5.7920, 6.5451, 4.1792



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.1909, 15.0396, 2.7909



21.4215, 26.7404, 4.0324



7.8826, 12.8185, 2.5893



3.6255, 3.9078, 3.6365



13.5862, 16.9477, 2.5552



67.4493, 84.3054, 12.7176

Inverse Universe

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



3.5124, 1.7641, 15.7792



5.4339, 2.1847, 28.1108



5.6930, 2.8882, 15.8812



3.2322, 3.3080, 4.2224



3.4593, 1.3927, 17.8081



17.0070, 6.8218, 88.6995

Previews

White Background



This preview shows how the XYZ color 12.1906, 15.0389, 2.7906 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 12.1906, 15.0389, 2.7906 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 12.1906, 15.0389, 2.7906

Background



This preview shows how black text looks on a background with the XYZ color 12.1906, 15.0389, 2.7906.



This preview shows how white text looks on a background with the XYZ color 12.1906, 15.0389,

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

12.1906, 15.0389, 2.7906

Protanopia

13.4821, 14.9001, 2.6556

Deuteranopia

15.1685, 15.0007, 2.9601



Tritanopia

15.2347, 15.0084, 17.7167

Trichromacy



Original Color

12.1906, 15.0389, 2.7906

Protanomaly

13.0056, 14.9712, 2.6945

Deuteranomaly

13.9972, 15.0052, 2.8680

Tritanomaly

13.5478, 14.7859, 9.3476

Monochromacy



Original Color

12.1906, 15.0389, 2.7906

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.8660, 13.4884, 7.7725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1906, 15.0389, 2.7906 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, 113, 17)` looks like.

```
.text, #text, p{  
    color:rgb(108, 113, 17)  
}
```

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, 113, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 113, 17) }
```

Border

The CSS property to change the border of an element to XYZ 12.1906, 15.0389, 2.7906 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, 113, 17) }
```


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

```
.border{ border-color:rgb(108, 113, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 113, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 113, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 113, 17);  
box-shadow:4px 4px 4px 4px rgb(108, 113,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1906, 15.0389, 2.7906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 113, 17) }
```

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

```
.background{ background-color: rgb(108,  
113, 17) }
```

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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