

Converting Colors

XYZ(12.6519, 15.6205, 1.4817)

Have a look what the booklet for
XYZ(12.6519, 15.6205, 1.4817)
contains.

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Color

**XYZ(12.8128, 15.7062,
2.3563)**

Conversions

Conversions Part 1

Format	Color
Hex	707300
RGB	112, 115, 0
RGB Percent	44%, 45%, 0%
CMY	0.5608, 0.5490, 1.0000
CMYK	0.03, 0.00, 1.00, 0.55
HSL	62°, 100%, 23%
HSV	62°, 100%, 45%
XYZ	12.8128, 15.7062, 2.3563
YIQ	100.9930, 35.1270, -36.4010

Conversions

Conversions Part 2

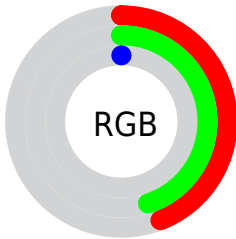
Format	Color
RYB	0, 115, 3
Decimal	7369472
CIELab	46.59, -13.40, 52.17
CIELCh	47, 53.867, 104.401
Yxy	15.7062, 0.4150, 0.5087
Android (android.graphics.Color)	4285559552 (0xFF707300)
YUV	100.9930, -49.7895, 9.6531
Hunter-Lab	39.6310, -11.6449, 24.2166

Details

The XYZ color **12.8128, 15.7062, 2.3563** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.1325, 1.2575, 16.2983**, and the grayscale version is **12.4866, 13.1369, 14.3060**.

A 20% lighter version of the original color is **30.6523, 36.2118, 10.0767**, and **3.8706, 4.9750, 0.7563** is the 20% darker color. If you saturate the color by 10%, you get **12.8131, 15.7069, 2.3564**, and if you desaturate by 10%, it is **12.9148, 15.7520, 2.6920**.

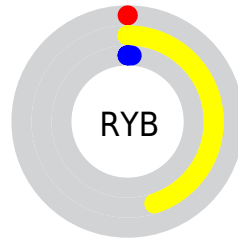
Distribution



Red (44%)

Green (45%)

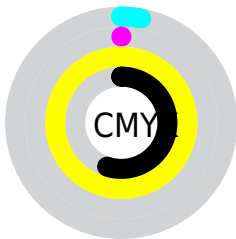
Blue (0%)



Red (0%)

Yellow (45%)

Blue (1%)

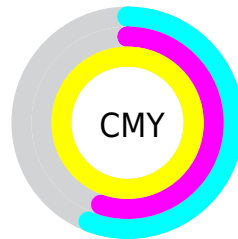


Cyan (3%)

Magenta (0%)

Yellow (100%)

Black (55%)



Cyan (56%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8128, 15.7062, 2.3563 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 12.8128, 15.7062, 2.3563 by changing the saturation by 10% instead.

■ 12.8128, 15.7062,
2.3563

■ 12.8128, 15.7062,
2.3563

203.3764,
227.6018, 127.6849

■ 7.3759, 9.3165,
0.7625

■ 30.5712, 36.0874,
9.9938

■ 3.7467, 4.9482,
0.0000

■ 43.6235, 50.8477,
16.8884

■ 1.5598, 2.2169,
0.0000

■ 59.9449, 69.1669,
26.3915

■ 0.3660, 0.7292,
0.0000

■ 79.9007, 91.4296,
38.9218


■ 0.0000, 0.0000,
0.0000


■ 103.8565,
118.0200, 54.8977


■ 132.1774,


149.3226, 74.7378


 165.2289,
185.7217, 98.8607


 12.8128, 15.7062,
2.3563


 12.8128, 15.7062,
2.3563


 12.8131, 15.7069,
2.3564

 12.9148, 15.7520,
2.6920

 13.0446, 15.8084,
3.1748

 13.2245, 15.8848,
3.9212

 13.4604, 15.9836,
4.9613

 13.7571, 16.1068,
6.3216

■ 14.1192, 16.2561,
8.0253

■ 14.5507, 16.4332,
10.0935

■ 15.0552, 16.6396,
12.5457

■ 15.6362, 16.8765,
15.4000

Harmonies

Analogous

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



17.4643, 15.7062, 2.3934



12.8128, 15.7062, 2.3563



9.5048, 15.7062, 4.5538

Triad

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



12.8128, 15.7062, 2.3563



9.4074, 15.7062, 42.0079



25.3040, 15.7062, 24.9538

Complementary

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



12.8128, 15.7062, 2.3563



3.1325, 1.2575, 16.2983

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.



22.1000, 15.7062, 42.7007



12.8128, 15.7062, 2.3563



12.6505, 15.7062, 55.5296

Square

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



12.8128, 15.7062, 2.3563



7.8340, 15.7062, 24.2946



17.2646, 15.7062, 55.8339



25.3729, 15.7062, 11.4898

Rectangle

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



12.8128, 15.7062, 2.3563



8.2287, 15.7062, 8.2510



17.2646, 15.7062, 55.8339



24.5324, 15.7062, 30.7250

Sweetspot

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



12.8132, 15.7069, 2.3566



25.9883, 29.3981, 17.7543



7.0916, 3.6868, 0.3381



6.1356, 6.9870, 3.9265



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.



12.8132, 15.7069, 2.3566



22.9250, 28.1153, 4.2185



7.7391, 13.0912, 2.1192



3.9577, 4.2616, 3.9563



14.6443, 17.9538, 2.6936



71.2453, 87.4300, 13.1207

Inverse Universe

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



3.1325, 1.2575, 16.2983



5.5905, 2.2419, 29.1826



4.9235, 2.1808, 16.3821



3.5086, 3.5940, 4.5990



3.5777, 1.4357, 18.6311



17.3214, 6.9380, 90.7865

Previews

White Background



This preview shows how the XYZ color 12.8128, 15.7062, 2.3563 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 12.8128, 15.7062, 2.3563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

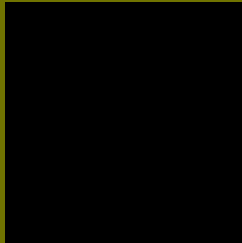
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8128, 15.7062, 2.3563

Background



This preview shows how black text looks on a background with the XYZ color 12.8128, 15.7062, 2.3563.



This preview shows how white text looks on a background with the XYZ color 12.8128, 15.7062,

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

12.8128, 15.7062, 2.3563

Protanopia

14.1419, 15.7289, 2.2906

Deuteranopia

15.8082, 15.6358, 2.7571



Tritanopia

16.0979, 15.7463, 18.4105

Trichromacy



Original Color

12.8128, 15.7062, 2.3563

Protanomaly

13.5399, 15.5814, 2.2939

Deuteranomaly

14.5823, 15.6286, 2.5647

Tritanomaly

14.1146, 15.4148, 8.5348

Monochromacy



Original Color

12.8128, 15.7062, 2.3563

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.9051, 13.6815, 6.8638

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8128, 15.7062, 2.3563 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(112, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(112, 115, 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(112, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 115, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.8128, 15.7062, 2.3563 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(112, 115, 0) }
```


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

```
.border{ border-color:rgb(112, 115, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(112, 115,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8128, 15.7062, 2.3563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 115, 0) }
```

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

```
.background{ background-color: rgb(112,  
115, 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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