

Converting Colors

XYZ(12.0582, 12.1502, 15.8239)

Have a look what the booklet for
XYZ(12.0582, 12.1502, 15.8239)
contains.

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Color

**XYZ(12.0352, 12.1011,
15.8888)**

Conversions

Conversions Part 1

Format	Color
Hex	63606C
RGB	99, 96, 108
RGB Percent	39%, 38%, 42%
CMY	0.6118, 0.6235, 0.5765
CMYK	0.08, 0.11, 0.00, 0.58
HSL	255°, 6%, 40%
HSV	255°, 11%, 42%
XYZ	12.0352, 12.1011, 15.8888
YIQ	98.2650, -2.0640, 4.3680

Conversions

Conversions Part 2

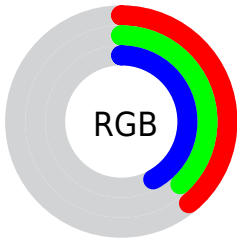
Format	Color
R_{YB}	99, 96, 108
Decimal	6512748
CIE Lab	41.38, 3.77, -6.37
CIE LCh	41, 7.400, 300.591
Yxy	12.1011, 0.3007, 0.3023
Android (android.graphics.Color)	4284702828 (0xFF63606C)
YUV	98.2650, 4.7994, 0.6446
Hunter-Lab	34.7866, 0.8794, -2.7301

Details

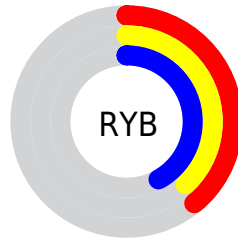
The XYZ color **12.0352, 12.1011, 15.8888** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.3001, 14.5733, 13.1789**, and the grayscale version is **11.6645, 12.2720, 13.3642**.

A 20% lighter version of the original color is **29.1146, 29.5450, 36.9691**, and **3.3991, 3.3482, 4.8820** is the 20% darker color. If you saturate the color by 10%, you get **10.2757, 9.8307, 15.5435**, and if you desaturate by 10%, it is **14.0196, 14.6891, 16.2839**.

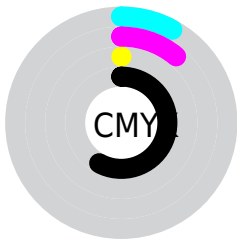
Distribution



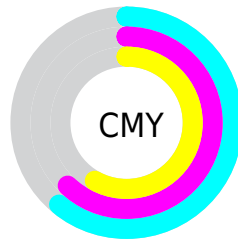
- Red (39%)
- Green (38%)
- Blue (42%)



- Red (39%)
- Yellow (38%)
- Blue (42%)



- Cyan (8%)
- Magenta (11%)
- Yellow (0%)
- Black (58%)



- Cyan (61%)
- Magenta (62%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0352, 12.1011, 15.8888 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 12.0352, 12.1011, 15.8888 by changing the saturation by 10% instead.

■ 12.0352, 12.1011,
15.8888

■ 12.0352, 12.1011,
15.8888

198.4033,
205.0735, 240.5079

■ 6.8400, 6.8126,
9.2920

■ 29.1755, 29.6791,
37.1691

■ 3.4077, 3.3452,
4.8327

■ 41.8513, 42.7374,
52.6898

■ 1.3728, 1.3145,
2.0924

■ 57.7514, 59.1543,
72.0221

■ 0.2368, 0.1524,
0.6113

■ 77.2412, 79.3144,
95.5846

■ 0.0000, 0.0000,
0.0000

100.6858,
103.6019, 123.7960

128.4509,

132.4014, 157.0746

160.9016,
166.0971, 195.8391

■ 12.0352, 12.1011,
15.8888

■ 12.0352, 12.1011,
15.8888

■ 10.2757, 9.8307,
15.5435

■ 14.0196, 14.6891,
16.2839

■ 8.7320, 7.8640,
15.2452

■ 16.2356, 17.6049,
16.7299

■ 7.3958, 6.1884,
14.9923

■ 18.6907, 20.8599,
17.2288

■ 6.2579, 4.7899,
14.7823

■ 21.3920, 24.4646,
17.7822

■ 5.3086, 3.6532,
14.6129

■ 24.3462, 28.4292,
18.3918

■ 4.5369, 2.7614,
14.4814

■ 27.5595, 32.7632,
19.0590

■ 3.9309, 2.0957,
14.3849

■ 31.0384, 37.4761,
19.7853

■ 3.4769, 1.6345,
14.3198

■ 34.7887, 42.5766,
20.5721

■ 3.1584, 1.3155,
14.2750

■ 38.8162, 48.0736,
21.4209

Harmonies

Analogous

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



11.5124, 12.1011, 16.3594



12.0352, 12.1011, 15.8888



12.4248, 12.1011, 14.6820

Triad

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



12.0352, 12.1011, 15.8888



12.0162, 12.1011, 10.7644



10.4999, 12.1011, 13.2066

Complementary

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



12.0352, 12.1011, 15.8888



13.3001, 14.5733, 13.1789

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.



10.6256, 12.1011, 11.7768



12.0352, 12.1011, 15.8888



11.4911, 12.1011, 10.4350

Square

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



12.0352, 12.1011, 15.8888



12.4136, 12.1011, 11.7278



10.9843, 12.1011, 10.7911



10.6357, 12.1011, 14.7388

Rectangle

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



12.0352, 12.1011, 15.8888



12.5507, 12.1011, 13.6654



10.9843, 12.1011, 10.7911



10.5129, 12.1011, 12.6985

Sweetspot

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



12.0356, 12.1016, 15.8891



23.8941, 24.8474, 28.4444



12.6030, 13.7138, 16.1703



5.7230, 5.9351, 6.8727



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.0356, 12.1016, 15.8891



20.4027, 20.3035, 27.7513



12.6923, 12.4402, 15.9198



3.0128, 3.0583, 3.8664



3.7440, 1.5572, 17.0255



18.3856, 7.5777, 86.7198

Inverse Universe

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



12.9175, 12.5744, 15.1116



22.2413, 21.2895, 26.1159



12.6418, 14.2339, 13.1481



3.1868, 3.1516, 3.7143



9.1376, 4.5072, 9.6190



46.1998, 22.8219, 47.1165

Previews

White Background



This preview shows how the XYZ color 12.0352, 12.1011, 15.8888 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 12.0352, 12.1011, 15.8888 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

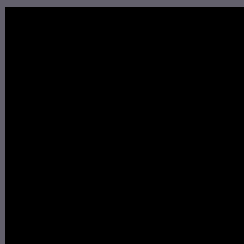
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

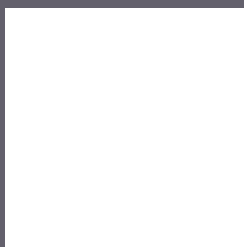
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0352, 12.1011, 15.8888

Background



This preview shows how black text looks on a background with the XYZ color 12.0352, 12.1011, 15.8888.



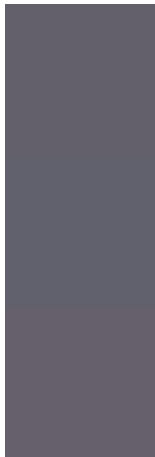
This preview shows how white text looks on a background with the XYZ color 12.0352, 12.1011,

15.8888.

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

12.0352, 12.1011, 15.8888

Protanopia

11.8589, 12.1403, 16.1863

Deuteranopia

12.2785, 12.0919, 15.8742



Tritanopia

11.8104, 12.1455, 14.8186

Trichromacy



Original Color

12.0352, 12.1011, 15.8888

Protanomaly

11.9648, 12.1949, 16.1912

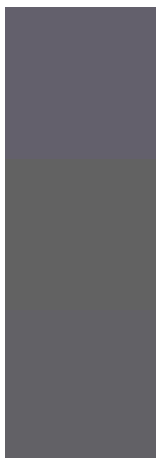
Deuteranomaly

12.1658, 12.0338, 15.8689

Tritanomaly

11.8615, 12.1660, 15.0877

Monochromacy



Original Color

12.0352, 12.1011, 15.8888

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.7100, 12.1054, 14.2898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0352, 12.1011, 15.8888 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(99, 96, 108) looks like.

```
.text, #text, p{  
    color:rgb(99, 96, 108)  
}
```

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(99, 96, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 96, 108) }
```

Border

The CSS property to change the border of an element to XYZ 12.0352, 12.1011, 15.8888 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(99, 96, 108) }
```


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

```
.border{ border-color:rgb(99, 96, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 96, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 96, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 96, 108);  
box-shadow:4px 4px 4px 4px rgb(99, 96,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0352, 12.1011, 15.8888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 96, 108) }
```

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

```
.background{ background-color: rgb(99, 96,  
108) }
```

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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