

Converting Colors

XYZ(12.3293, 15.1602, 15.3310)

Have a look what the booklet for
XYZ(12.3293, 15.1602, 15.3310)
contains.

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Color

**XYZ(12.3757, 15.1922,
15.3768)**

Conversions

Conversions Part 1

Format	Color
Hex	557368
RGB	85, 115, 104
RGB Percent	33%, 45%, 41%
CMY	0.6667, 0.5490, 0.5922
CMYK	0.26, 0.00, 0.10, 0.55
HSL	158°, 15%, 39%
HSV	158°, 26%, 45%
XYZ	12.3757, 15.1922, 15.3768
YIQ	104.7760, -14.3490, -9.7810

Conversions

Conversions Part 2

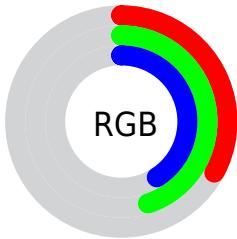
Format	Color
RYB	85, 103, 115
Decimal	5600104
CIELab	45.90, -13.37, 2.57
CIELCh	46, 13.615, 169.135
Yxy	15.1922, 0.2882, 0.3538
Android (android.graphics.Color)	4283790184 (0xFF557368)
YUV	104.7760, -0.3826, -17.3436
Hunter-Lab	38.9772, -11.5343, 3.8937

Details

The XYZ color **12.3757, 15.1922, 15.3768** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.4305, 10.9867, 12.5324**, and the grayscale version is **13.3708, 14.0671, 15.3190**.

A 20% lighter version of the original color is **29.7268, 35.1549, 36.2291**, and **3.5824, 4.7411, 4.5972** is the 20% darker color. If you saturate the color by 10%, you get **11.2065, 14.6140, 14.2319**, and if you desaturate by 10%, it is **13.7262, 15.8634, 16.5868**.

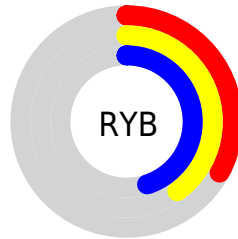
Distribution



Red (33%)

Green (45%)

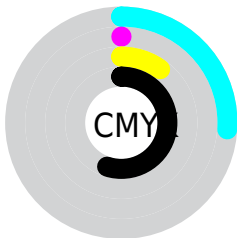
Blue (41%)



Red (33%)

Yellow (40%)

Blue (45%)

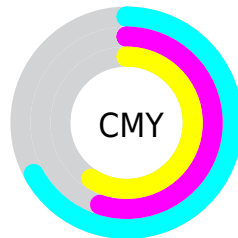


Cyan (26%)

Magenta (0%)

Yellow (10%)

Black (55%)



Cyan (67%)

Magenta (55%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3757, 15.1922, 15.3768 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 12.3757, 15.1922, 15.3768 by changing the saturation by 10% instead.

■ 12.3757, 15.1922,
15.3768

■ 12.3757, 15.1922,
15.3768

200.5964,
224.5266, 237.3545

■ 7.0741, 8.9544,
8.9347

■ 29.7885, 35.1900,
36.2645

■ 3.5552, 4.7114,
4.6024

■ 42.6304, 49.7188,
51.5471

■ 1.4537, 2.0790,
1.9613

■ 58.7165, 67.7800,
70.6137

■ 0.2940, 0.6528,
0.5313

■ 78.4120, 89.7581,
93.8828

■ 0.0000, 0.0000,
0.0000

■ 102.0824,
116.0374, 121.7728

130.0931,

147.0023, 154.7024

162.8093,
183.0373, 193.0902

■ 12.3757, 15.1922,
15.3768

■ 12.3757, 15.1922,
15.3768

■ 11.2065, 14.6140,
14.2319

■ 13.7262, 15.8634,
16.5868

■ 10.2090, 14.1227,
13.1499

■ 15.2644, 16.6298,
17.8619

■ 9.3746, 13.7143,
12.1298

■ 16.9982, 17.4957,
19.2037

■ 8.6934, 13.3836,
11.1703

■ 18.9345, 18.4647,
20.6133

■ 8.1544, 13.1251,
10.2701

■ 21.0799, 19.5402,
22.0916

■ 7.7450, 12.9323,
9.4276

■ 23.4405, 20.7253,
23.6398

■ 7.4396, 12.7920,
8.6408

■ 26.0225, 22.0232,
25.2588

■ 7.3280, 12.7408,
8.3470

■ 28.8316, 23.4368,
26.9495

■ 31.8733, 24.9690,
28.7130

Harmonies

Analogous

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



12.8316, 15.1922, 12.7355



12.3757, 15.1922, 15.3768



12.4503, 15.1922, 18.7050

Triad

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



12.3757, 15.1922, 15.3768



15.1766, 15.1922, 23.2729



15.9349, 15.1922, 12.2009

Complementary

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



12.3757, 15.1922, 15.3768



12.4305, 10.9867, 12.5324

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.



16.6305, 15.1922, 14.5520



12.3757, 15.1922, 15.3768



16.1769, 15.1922, 21.0394

Square

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



12.3757, 15.1922, 15.3768



14.0270, 15.1922, 23.5709



16.7214, 15.1922, 17.7640



14.8604, 15.1922, 11.0706

Rectangle

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



12.3757, 15.1922, 15.3768



12.7920, 15.1922, 20.8680



16.7214, 15.1922, 17.7640



16.2232, 15.1922, 12.8590

Sweetspot

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



12.3761, 15.1928, 15.3771



26.7193, 29.4717, 31.4893



12.6475, 15.4320, 10.9066



6.2884, 6.9881, 7.4422



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.



12.3761, 15.1928, 15.3771



20.9229, 26.5914, 26.3462



12.5804, 14.6480, 18.3846



3.7290, 4.1336, 4.4070



8.3666, 14.5606, 9.4866



40.3487, 70.7867, 44.0027

Inverse Universe

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



12.4305, 10.9867, 12.5324



21.0378, 17.7677, 20.3819



12.2413, 11.3629, 10.1426



3.7343, 3.7210, 4.1278



8.5542, 4.3554, 2.8607



41.3045, 21.0719, 11.9328

Previews

White Background



This preview shows how the XYZ color 12.3757, 15.1922, 15.3768 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 12.3757, 15.1922, 15.3768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

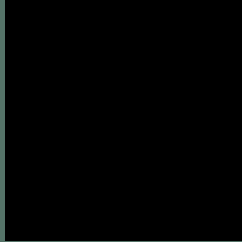
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3757, 15.1922, 15.3768

Background



This preview shows how black text looks on a background with the XYZ color 12.3757, 15.1922, 15.3768.



This preview shows how white text looks on a background with the XYZ color 12.3757, 15.1922,

15.3768.

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

12.3757, 15.1922, 15.3768

Protanopia

14.3449, 15.0900, 14.2132

Deuteranopia

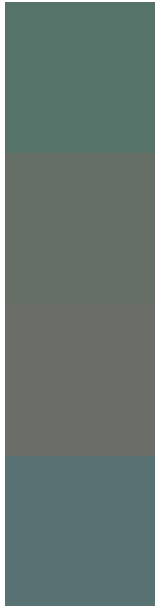
15.3988, 15.1368, 15.7458



Tritanopia

13.3652, 15.0927, 20.2979

Trichromacy



Original Color

12.3757, 15.1922, 15.3768

Protanomaly

13.5129, 15.1332, 14.5207

Deuteranomaly

14.0818, 15.0830, 15.5337

Tritanomaly

13.0241, 15.1228, 18.4522

Monochromacy



Original Color

12.3757, 15.1922, 15.3768

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.0554, 14.5539, 15.4857

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3757, 15.1922, 15.3768 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(85, 115, 104) looks like.

```
.text, #text, p{  
    color:rgb(85, 115, 104)  
}
```

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(85, 115, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 115, 104) }
```

Border

The CSS property to change the border of an element to XYZ 12.3757, 15.1922, 15.3768 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(85, 115, 104) }
```


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

```
.border{ border-color:rgb(85, 115, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 115, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 115, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 115, 104);  
box-shadow:4px 4px 4px 4px rgb(85, 115,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3757, 15.1922, 15.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 115, 104) }
```

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

```
.background{ background-color: rgb(85, 115,  
104) }
```

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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