

Converting Colors

XYZ(12.0944, 15.3167, 11.8687)

Have a look what the booklet for
XYZ(12.0944, 15.3167, 11.8687)
contains.

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Color

**XYZ(12.0731, 15.2868,
11.7655)**

Conversions

Conversions Part 1

Format	Color
Hex	587459
RGB	88, 116, 89
RGB Percent	35%, 45%, 35%
CMY	0.6549, 0.5451, 0.6510
CMYK	0.24, 0.00, 0.23, 0.55
HSL	122°, 14%, 40%
HSV	122°, 24%, 45%
XYZ	12.0731, 15.2868, 11.7655
YIQ	104.5500, -8.0210, -14.3330

Conversions

Conversions Part 2

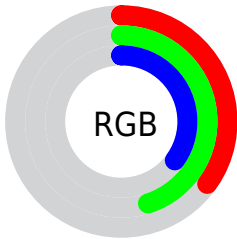
Format	Color
RYB	88, 115, 116
Decimal	5796953
CIELab	46.02, -16.01, 11.68
CIELCh	46, 19.814, 143.885
Yxy	15.2868, 0.3086, 0.3907
Android (android.graphics.Color)	4283987033 (0xFF587459)
YUV	104.5500, -7.6661, -14.5143
Hunter-Lab	39.0983, -13.3034, 9.5272

Details

The XYZ color **12.0731, 15.2868, 11.7655** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.7873, 11.9307, 17.7966**, and the grayscale version is **13.3277, 14.0217, 15.2697**.

A 20% lighter version of the original color is **29.1441, 35.2726, 29.6983**, and **3.4176, 4.7801, 3.0280** is the 20% darker color. If you saturate the color by 10%, you get **10.6266, 14.5918, 9.4294**, and if you desaturate by 10%, it is **13.7665, 16.1018, 14.4865**.

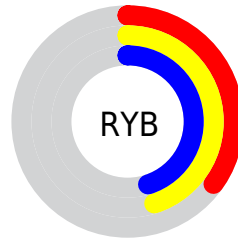
Distribution



Red (35%)

Green (45%)

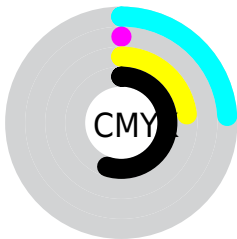
Blue (35%)



Red (35%)

Yellow (45%)

Blue (45%)

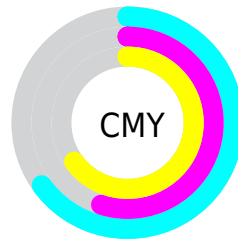


Cyan (24%)

Magenta (0%)

Yellow (23%)

Black (55%)



Cyan (65%)

Magenta (55%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0731, 15.2868, 11.7655 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 12.0731, 15.2868, 11.7655 by changing the saturation by 10% instead.

■ 12.0731, 15.2868,
11.7655

■ 12.0731, 15.2868,
11.7655

198.6487,
225.0956, 213.7691

■ 6.8660, 9.0209,
6.4636

■ 29.2439, 35.3555,
29.7253

■ 3.4240, 4.7548,
3.0557

■ 41.9383, 49.9272,
43.2202

■ 1.3818, 2.1041,
1.1231

■ 57.8592, 68.0362,
60.2833

■ 0.2432, 0.6670,
0.0000

■ 77.3720, 90.0670,
81.3330

■ 0.0000, 0.0000,
0.0000

■ 100.8420,
116.4039, 106.7879

128.6345,

147.4314, 137.0665

161.1149,
183.5338, 172.5874

■ 12.0731, 15.2868,
11.7655

■ 12.0731, 15.2868,
11.7655

■ 10.6266, 14.5918,
9.4294

■ 13.7665, 16.1018,
14.4865

■ 9.4145, 14.0092,
7.4599

■ 15.7165, 17.0399,
17.6075

■ 8.4247, 13.5338,
5.8386

■ 17.9333, 18.1068,
21.1442

■ 7.6437, 13.1590,
4.5454

■ 20.4267, 19.3070,
25.1111

■ 7.0566, 12.8776,
3.5578

■ 23.2057, 20.6448,
29.5219

■ 6.6464, 12.6814,
2.8507

■ 26.2788, 22.1245,
34.3898

■ 6.3895, 12.5588,
2.3949

■ 29.6545, 23.7501,
39.7274

■ 6.2684, 12.5005,
2.2014

■ 33.3407, 25.5254,
45.5469

■ 37.3450, 27.4541,
51.8599

Harmonies

Analogous

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



13.2605, 15.2868, 9.5375



12.0731, 15.2868, 11.7655



11.5485, 15.2868, 15.6785

Triad

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



12.0731, 15.2868, 11.7655



14.1882, 15.2868, 27.6426



17.6881, 15.2868, 13.1727

Complementary

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



12.0731, 15.2868, 11.7655



13.7873, 11.9307, 17.7966

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.



17.9842, 15.2868, 17.6498



12.0731, 15.2868, 11.7655



15.8773, 15.2868, 26.6182

Square

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



12.0731, 15.2868, 11.7655



12.7076, 15.2868, 25.2931



17.2987, 15.2868, 22.7149



16.5181, 15.2868, 10.2337

Rectangle

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



12.0731, 15.2868, 11.7655



11.6138, 15.2868, 18.9651



17.2987, 15.2868, 22.7149



17.8967, 15.2868, 14.5218

Sweetspot

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



12.0735, 15.2874, 11.7658



26.5352, 29.4271, 29.2064



15.0865, 16.8455, 11.6891



6.2968, 7.0041, 6.9140



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.



12.0735, 15.2874, 11.7658



19.7469, 26.1620, 18.3020



12.7152, 15.5441, 15.1451



3.6454, 4.1001, 3.9668



7.0327, 14.0271, 2.4624



34.2034, 68.3286, 11.6423

Inverse Universe

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



13.7873, 11.9307, 17.7966



23.3157, 19.1711, 30.8600



13.0449, 11.6337, 13.8875



3.8213, 3.7558, 4.5855



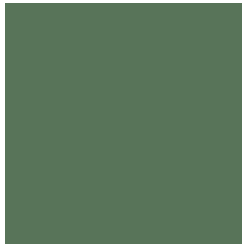
11.3545, 5.4755, 17.6069



55.2620, 26.6549, 85.4318

Previews

White Background



This preview shows how the XYZ color 12.0731, 15.2868, 11.7655 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 12.0731, 15.2868, 11.7655 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 12.0731, 15.2868, 11.7655

Background



This preview shows how black text looks on a background with the XYZ color 12.0731, 15.2868, 11.7655.



This preview shows how white text looks on a background with the XYZ color 12.0731, 15.2868,

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

12.0731, 15.2868, 11.7655

Protanopia

14.3108, 15.3062, 10.7945

Deuteranopia

15.3973, 15.2185, 12.0235



Tritanopia

13.8615, 15.3485, 20.3211

Trichromacy



Original Color

12.0731, 15.2868, 11.7655

Protanomaly

13.4177, 15.3244, 11.0548

Deuteranomaly

13.9962, 15.1202, 11.8537

Tritanomaly

13.0791, 15.1897, 16.7106

Monochromacy



Original Color

12.0731, 15.2868, 11.7655

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.8664, 14.4908, 13.9233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0731, 15.2868, 11.7655 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(88, 116, 89) looks like.

```
.text, #text, p{  
    color:rgb(88, 116, 89)  
}
```

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(88, 116, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 116, 89) }
```

Border

The CSS property to change the border of an element to XYZ 12.0731, 15.2868, 11.7655 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(88, 116, 89) }
```


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

```
.border{ border-color:rgb(88, 116, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 116, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 116, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 116, 89);  
box-shadow:4px 4px 4px 4px rgb(88, 116,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0731, 15.2868, 11.7655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 116, 89) }
```

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

```
.background{ background-color: rgb(88, 116,  
89) }
```

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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