

Converting Colors

XYZ(12.8811, 17.7972, 12.0948)

Have a look what the booklet for
XYZ(12.8811, 17.7972, 12.0948)
contains.

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Color

**XYZ(12.9603, 17.9368,
12.0116)**

Conversions

Conversions Part 1

Format	Color
Hex	528058
RGB	82, 128, 88
RGB Percent	32%, 50%, 35%
CMY	0.6784, 0.4980, 0.6549
CMYK	0.36, 0.00, 0.31, 0.50
HSL	128°, 22%, 41%
HSV	128°, 36%, 50%
XYZ	12.9603, 17.9368, 12.0116
YIQ	109.6860, -14.5760, -22.1920

Conversions

Conversions Part 2

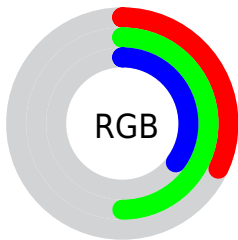
Format	Color
RYB	82, 123, 128
Decimal	5406808
CIELab	49.42, -24.63, 16.87
CIElCh	49, 29.852, 145.586
Yxy	17.9368, 0.3020, 0.4180
Android (android.graphics.Color)	4283596888 (0xFF528058)
YUV	109.6860, -10.6912, -24.2806
Hunter-Lab	42.3519, -19.4921, 12.8308

Details

The XYZ color **12.9603, 17.9368, 12.0116** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.4328, 12.0293, 19.9215**, and the grayscale version is **14.7641, 15.5330, 16.9154**.

A 20% lighter version of the original color is **30.7842, 39.8693, 30.1178**, and **3.7695, 5.9393, 3.1382** is the 20% darker color. If you saturate the color by 10%, you get **11.5230, 17.2456, 9.7187**, and if you desaturate by 10%, it is **14.6766, 18.7647, 14.6859**.

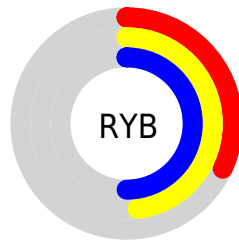
Distribution



Red (32%)

Green (50%)

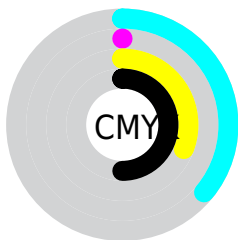
Blue (35%)



Red (32%)

Yellow (48%)

Blue (50%)

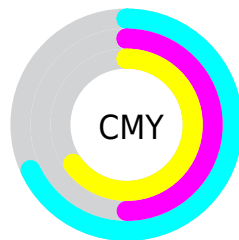


Cyan (36%)

Magenta (0%)

Yellow (31%)

Black (50%)



Cyan (68%)

Magenta (50%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9603, 17.9368, 12.0116 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 12.9603, 17.9368, 12.0116 by changing the saturation by 10% instead.

■ 12.9603, 17.9368,
12.0116

■ 12.9603, 17.9368,
12.0116

204.3058,
240.5146, 215.4627

■ 7.4780, 10.9046,
6.6289

■ 30.8344, 39.9296,
30.1809

■ 3.8118, 6.0027,
3.1562

■ 43.9569, 55.6590,
43.8047

■ 1.5962, 2.8467,
1.1750

■ 60.3568, 75.0563,
61.0126

■ 0.3899, 1.0523,
0.0000

■ 80.3996, 98.5059,
82.2231

■ 0.0000, 0.0000,
0.0000

■ 104.4505,
126.3921, 107.8549

132.8750,

159.0993, 138.3264

166.0383,
197.0120, 174.0561

■ 12.9603, 17.9368,
12.0116

■ 12.9603, 17.9368,
12.0116

■ 11.5230, 17.2456,
9.7187

■ 14.6766, 18.7647,
14.6859

■ 10.3486, 16.6817,
7.7887

■ 16.6843, 19.7338,
17.7565

■ 9.4214, 16.2378,
6.2032

■ 18.9964, 20.8511,
21.2392

■ 8.7235, 15.9052,
4.9421

■ 21.6251, 22.1224,
25.1483

■ 8.2345, 15.6739,
3.9828

■ 24.5816, 23.5533,
29.4978

■ 7.9220, 15.5276,
3.2997

■ 27.8767, 25.1491,
34.3005

■ 7.8184, 15.4786,
3.0936

■ 31.5208, 26.9149,
39.5693

■ 35.5237, 28.8554,
45.3161

■ 39.8948, 30.9753,
51.5527

Harmonies

Analogous

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



14.8153, 17.9368, 8.6169



12.9603, 17.9368, 12.0116



12.1997, 17.9368, 18.3607

Triad

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



12.9603, 17.9368, 12.0116



16.6350, 17.9368, 39.4297



22.4132, 17.9368, 13.5696

Complementary

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



12.9603, 17.9368, 12.0116



15.4328, 12.0293, 19.9215

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.



23.0368, 17.9368, 20.7482



12.9603, 17.9368, 12.0116



19.4952, 17.9368, 37.1208

Square

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



12.9603, 17.9368, 12.0116



14.1677, 17.9368, 35.3193



21.9167, 17.9368, 29.6706



20.2953, 17.9368, 9.3273

Rectangle

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



12.9603, 17.9368, 12.0116



12.3467, 17.9368, 23.9997



21.9167, 17.9368, 29.6706



22.8138, 17.9368, 15.6530

Sweetspot

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



12.9608, 17.9376, 12.0120



31.2131, 35.6313, 34.0426



17.3589, 20.2324, 10.9731



7.2032, 8.2917, 7.8126



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.9608, 17.9376, 12.0120



20.7433, 30.5815, 17.8464



14.0338, 18.3668, 17.6628



4.2971, 4.8272, 4.7359



7.7524, 15.3476, 3.0691



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.4328, 12.0293, 19.9215



25.7580, 18.5863, 33.8838



14.2024, 11.5371, 13.4424



4.4748, 4.4031, 5.3047



11.6890, 5.6953, 15.4841



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.9603, 17.9368, 12.0116 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 12.9603, 17.9368, 12.0116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

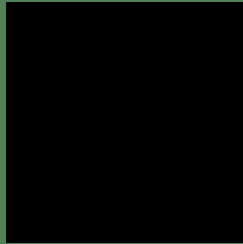
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.9603, 17.9368, 12.0116

Background



This preview shows how black text looks on a background with the XYZ color 12.9603, 17.9368, 12.0116.



This preview shows how white text looks on a background with the XYZ color 12.9603, 17.9368,

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

12.9603, 17.9368, 12.0116

Protanopia

16.5268, 17.7827, 10.7450

Deuteranopia

17.9990, 17.6620, 12.3580



Tritanopia

15.4388, 17.8092, 24.4536

Trichromacy



Original Color

12.9603, 17.9368, 12.0116

Protanomaly

14.9075, 17.6456, 11.2146

Deuteranomaly

15.6600, 17.4770, 12.2209

Tritanomaly

14.3845, 17.7510, 19.1911

Monochromacy



Original Color

12.9603, 17.9368, 12.0116

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.0151, 16.3912, 14.9955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9603, 17.9368, 12.0116 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(82, 128, 88)` looks like.

```
.text, #text, p{  
    color:rgb(82, 128, 88)  
}
```

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(82, 128, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 128, 88) }
```

Border

The CSS property to change the border of an element to XYZ 12.9603, 17.9368, 12.0116 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(82, 128, 88) }
```


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

```
.border{ border-color:rgb(82, 128, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 128, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 128, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 128, 88);  
box-shadow:4px 4px 4px 4px rgb(82, 128,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9603, 17.9368, 12.0116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 128, 88) }
```

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

```
.background{ background-color: rgb(82, 128,  
88) }
```

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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