

Converting Colors

XYZ(12.5195, 14.4733, 11.3056)

Have a look what the booklet for
XYZ(12.5195, 14.4733, 11.3056)
contains.

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Color

**XYZ(12.5929, 14.5658,
11.3803)**

Conversions

Conversions Part 1

Format	Color
Hex	646E58
RGB	100, 110, 88
RGB Percent	39%, 43%, 35%
CMY	0.6078, 0.5686, 0.6549
CMYK	0.09, 0.00, 0.20, 0.57
HSL	87°, 11%, 39%
HSV	87°, 20%, 43%
XYZ	12.5929, 14.5658, 11.3803
YIQ	104.5020, 1.1020, -8.9620

Conversions

Conversions Part 2

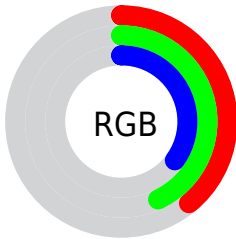
Format	Color
R_{YB}	88, 110, 98
Decimal	6581848
CIE Lab	45.03, -8.18, 11.02
CIE LCh	45, 13.724, 126.579
Yxy	14.5658, 0.3268, 0.3779
Android (android.graphics.Color)	4284771928 (0xFF646E58)
YUV	104.5020, -8.1355, -3.9483
Hunter-Lab	38.1652, -7.8916, 9.0362

Details

The XYZ color **12.5929, 14.5658, 11.3803** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.3419, 10.7024, 16.2207**, and the grayscale version is **13.3142, 14.0075, 15.2542**.

A 20% lighter version of the original color is **30.2703, 34.2549, 29.0612**, and **3.6269, 4.3766, 2.9391** is the 20% darker color. If you saturate the color by 10%, you get **11.6350, 14.1212, 9.1337**, and if you desaturate by 10%, it is **13.6543, 15.0567, 13.9913**.

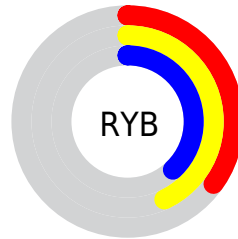
Distribution



Red (39%)

Green (43%)

Blue (35%)



Red (35%)

Yellow (43%)

Blue (38%)

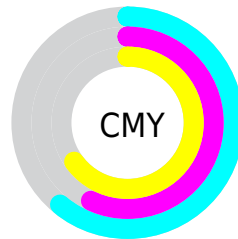


Cyan (9%)

Magenta (0%)

Yellow (20%)

Black (57%)



Cyan (61%)

Magenta (57%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5929, 14.5658, 11.3803 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 12.5929, 14.5658, 11.3803 by changing the saturation by 10% instead.

■ 12.5929, 14.5658,
11.3803

■ 12.5929, 14.5658,
11.3803

201.9827,
220.7229, 211.0886

■ 7.2239, 8.5152,
6.2059

■ 30.1780, 34.0896,
29.0086

■ 3.6501, 4.4264,
2.8999

■ 43.1248, 48.3317,
42.2996

■ 1.5061, 1.9148,
1.0437

■ 59.3283, 66.0730,
59.1331

■ 0.3300, 0.5573,
0.0000

■ 79.1538, 87.6981,
79.9278

■ 0.0000, 0.0000,
0.0000

■ 102.9666,
113.5912, 105.1021

131.1321,

144.1367, 135.0747

164.0157,
179.7192, 170.2640

■ 12.5929, 14.5658,
11.3803

■ 12.5929, 14.5658,
11.3803

■ 11.6350, 14.1212,
9.1337

■ 13.6543, 15.0567,
13.9913

■ 10.7759, 13.7194,
7.2345

■ 14.8215, 15.5935,
16.9810

■ 10.0118, 13.3595,
5.6654

■ 16.0983, 16.1781,
20.3640

■ 9.3388, 13.0396,
4.4076

■ 17.4876, 16.8119,
24.1539

■ 8.7520, 12.7579,
3.4401

■ 18.9927, 17.4962,
28.3637

■ 8.2464, 12.5123,
2.7395

■ 20.6162, 18.2321,
33.0056

■ 7.8161, 12.3002,
2.2788

■ 22.3611, 19.0208,
38.0916

■ 7.4392, 12.1129,
1.9459

■ 24.2299, 19.8635,
43.6331

■ 26.2252, 20.7612,
49.6409

Harmonies

Analogous

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



13.5976, 14.5658, 10.4595



12.5929, 14.5658, 11.3803



11.9498, 14.5658, 13.5188

Triad

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



12.5929, 14.5658, 11.3803



13.0009, 14.5658, 22.2622



16.1102, 14.5658, 15.1593

Complementary

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



12.5929, 14.5658, 11.3803



11.3419, 10.7024, 16.2207

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.



15.9292, 14.5658, 18.4563



12.5929, 14.5658, 11.3803



14.0941, 14.5658, 22.8572

Square

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



12.5929, 14.5658, 11.3803



12.1763, 14.5658, 19.8524



15.1761, 14.5658, 21.3828



15.6582, 14.5658, 12.4418

Rectangle

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



12.5929, 14.5658, 11.3803



11.7922, 14.5658, 15.4922



15.1761, 14.5658, 21.3828



16.1218, 14.5658, 16.2329

Sweetspot

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



12.5933, 14.5664, 11.3806



24.7433, 26.7934, 26.5067



12.5508, 12.7368, 11.0297



5.7373, 6.2255, 6.1159



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.



12.5933, 14.5664, 11.3806



21.3124, 25.2077, 18.0774



11.4673, 13.9860, 11.3279



3.5026, 3.8445, 3.6308



8.9024, 14.5331, 2.3360



43.3427, 71.8780, 11.5894

Inverse Universe

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



11.3419, 10.7024, 16.2207



18.6892, 17.1072, 28.2242



12.5992, 11.3505, 16.2795



3.3483, 3.3678, 4.2278



4.9287, 2.1503, 17.8769



23.5827, 10.2117, 89.0072

Previews

White Background



This preview shows how the XYZ color 12.5929, 14.5658, 11.3803 looks on a white background.

Color Contrast Check

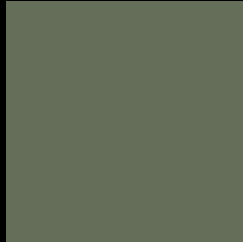
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5929, 14.5658, 11.3803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

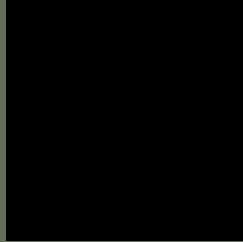
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5929, 14.5658, 11.3803

Background



This preview shows how black text looks on a background with the XYZ color 12.5929, 14.5658, 11.3803.



This preview shows how white text looks on a background with the XYZ color 12.5929, 14.5658,

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

12.5929, 14.5658, 11.3803

Protanopia

13.6438, 14.4907, 10.8820

Deuteranopia

14.7652, 14.4519, 11.6841



Tritanopia

13.9575, 14.4889, 18.2807

Trichromacy



Original Color

12.5929, 14.5658, 11.3803

Protanomaly

13.1623, 14.3917, 11.1010

Deuteranomaly

13.9250, 14.4693, 11.5101

Tritanomaly

13.4010, 14.4189, 15.4414

Monochromacy



Original Color

12.5929, 14.5658, 11.3803

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1033, 14.2998, 13.8739

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5929, 14.5658, 11.3803 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(100, 110, 88)` looks like.

```
.text, #text, p{  
    color:rgb(100, 110, 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(100, 110, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 110, 88) }
```

Border

The CSS property to change the border of an element to XYZ 12.5929, 14.5658, 11.3803 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(100, 110, 88) }
```


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

```
.border{ border-color:rgb(100, 110, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 110, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 110, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 110, 88);  
box-shadow:4px 4px 4px 4px rgb(100, 110,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5929, 14.5658, 11.3803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 110, 88) }
```

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

```
.background{ background-color: rgb(100,  
110, 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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