

Converting Colors

XYZ(12.6229, 13.8382, 17.2636)

Have a look what the booklet for
XYZ(12.6229, 13.8382, 17.2636)
contains.

XYZ(12.5929, 13.8051, 17.3302)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.5929, 13.8051,
17.3302)**

Conversions

Conversions Part 1

Format	Color
Hex	5D6A70
RGB	93, 106, 112
RGB Percent	36%, 42%, 44%
CMY	0.6353, 0.5843, 0.5608
CMYK	0.17, 0.05, 0.00, 0.56
HSL	199°, 9%, 40%
HSV	199°, 17%, 44%
XYZ	12.5929, 13.8051, 17.3302
YIQ	102.7970, -9.6740, -0.8900

Conversions

Conversions Part 2

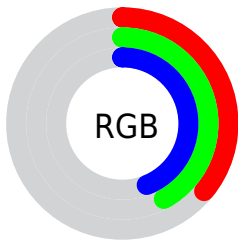
Format	Color
R _Y B	93, 101, 112
Decimal	6122096
CIE Lab	43.95, -3.52, -5.02
CIE LCh	44, 6.130, 234.995
Yxy	13.8051, 0.2880, 0.3157
Android (android.graphics.Color)	4284312176 (0xFF5D6A70)
YUV	102.7970, 4.5371, -8.5920
Hunter-Lab	37.1552, -4.5232, -1.6458

Details

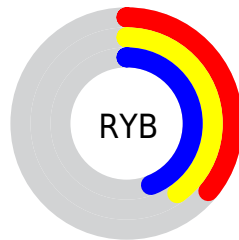
The XYZ color **12.5929, 13.8051, 17.3302** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1199, 13.1588, 12.2047**, and the grayscale version is **12.8291, 13.4972, 14.6985**.

A 20% lighter version of the original color is **30.0855, 32.6339, 39.8353**, and **3.6617, 4.1024, 5.4493** is the 20% darker color. If you saturate the color by 10%, you get **11.1844, 12.5495, 17.1623**, and if you desaturate by 10%, it is **14.1833, 15.1775, 17.5115**.

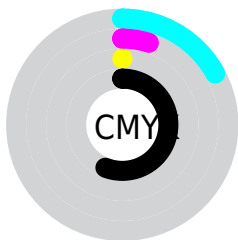
Distribution



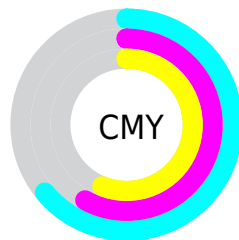
- Red (36%)
- Green (42%)
- Blue (44%)



- Red (36%)
- Yellow (40%)
- Blue (44%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (56%)



- Cyan (64%)
- Magenta (58%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5929, 13.8051, 17.3302 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, 13.8051, 17.3302 by changing the saturation by 10% instead.

■ 12.5929, 13.8051,
17.3302

■ 12.5929, 13.8051,
17.3302

201.9827,
216.0150, 249.1761

■ 7.2239, 7.9852,
10.3058

■ 30.1780, 32.7428,
39.6910

■ 3.6501, 4.0855,
5.4939

■ 43.1248, 46.6294,
55.8645

■ 1.5061, 1.7215,
2.4761

■ 59.3283, 63.9738,
75.9247

■ 0.3300, 0.4375,
0.8275

■ 79.1538, 85.1602,
100.2903

■ 0.0000, 0.0000,
0.0000

102.9666,
110.5732, 129.3796

131.1321,

140.5970, 163.6114

164.0157,
175.6161, 203.4040

■ 12.5929, 13.8051,
17.3302

■ 12.5929, 13.8051,
17.3302

■ 11.1844, 12.5495,
17.1623

■ 14.1833, 15.1775,
17.5115

■ 9.9493, 11.4049,
17.0065

■ 15.9613, 16.6689,
17.7057

■ 8.8800, 10.3676,
16.8626

■ 17.9339, 18.2834,
17.9133

■ 7.9680, 9.4329,
16.7303

■ 20.1073, 20.0245,
18.1348

■ 7.2039, 8.5957,
16.6089

■ 22.4874, 21.8955,
18.3705

■ 6.5773, 7.8503,
16.4981

■ 25.0799, 23.8996,
18.6207

■ 6.0763, 7.1902,
16.3971

■ 27.8904, 26.0398,
18.8857

■ 5.6714, 6.6001,
16.3045

■ 30.9239, 28.3191,
19.1658

■ 5.5535, 6.4274,
16.2774

■ 34.1857, 30.7404,
19.4612

Harmonies

Analogous

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



12.2930, 13.8051, 16.1900



12.5929, 13.8051, 17.3302



13.0400, 13.8051, 17.8562

Triad

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



12.5929, 13.8051, 17.3302



14.0738, 13.8051, 15.2659



12.7307, 13.8051, 12.7354

Complementary

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



12.5929, 13.8051, 17.3302



13.1199, 13.1588, 12.2047

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.



13.2030, 13.8051, 12.5215



12.5929, 13.8051, 17.3302



13.9860, 13.8051, 13.9294

Square

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



12.5929, 13.8051, 17.3302



13.9012, 13.8051, 16.6184



13.6643, 13.8051, 12.9455



12.3712, 13.8051, 13.5488

Rectangle

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



12.5929, 13.8051, 17.3302



13.3644, 13.8051, 17.7656



13.6643, 13.8051, 12.9455



12.8812, 13.8051, 12.5932

Sweetspot

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



12.5933, 13.8057, 17.3305



25.4636, 27.1271, 30.8238



12.5465, 14.8109, 13.9272



6.0782, 6.4838, 7.4009



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.5933, 13.8057, 17.3305



21.2060, 23.4442, 30.3373



11.6954, 12.0098, 17.0312



3.3905, 3.6462, 4.2793



6.3992, 7.3887, 18.8105



31.0785, 35.2089, 93.4371

Inverse Universe

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



13.1983, 12.3144, 15.3176



22.4727, 20.3895, 26.1079



14.0418, 15.0027, 12.5120



3.4718, 3.4364, 4.0110



9.2484, 4.5917, 8.3838



45.6670, 22.7121, 39.6400

Previews

White Background



This preview shows how the XYZ color 12.5929, 13.8051, 17.3302 looks on a white background.

Color Contrast Check

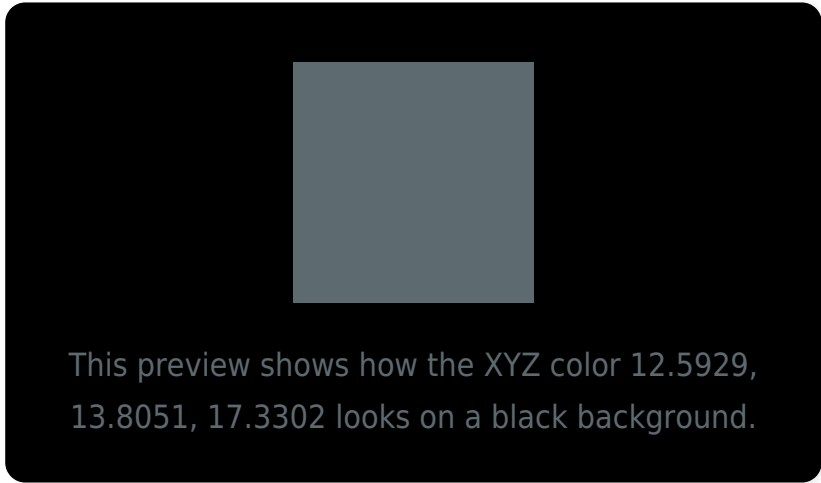
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

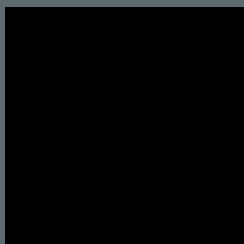
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

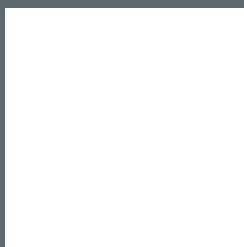
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5929, 13.8051, 17.3302

Background



This preview shows how black text looks on a background with the XYZ color 12.5929, 13.8051, 17.3302.



This preview shows how white text looks on a background with the XYZ color 12.5929, 13.8051,

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, 13.8051, 17.3302

Protanopia

13.3736, 13.7693, 16.7047

Deuteranopia

14.0647, 13.8146, 17.5480



Tritanopia

12.7055, 13.8501, 17.9233

Trichromacy



Original Color

12.5929, 13.8051, 17.3302

Protanomaly

13.0751, 13.7577, 17.0053

Deuteranomaly

13.5398, 13.8358, 17.5797

Tritanomaly

12.6489, 13.8275, 17.6251

Monochromacy



Original Color

12.5929, 13.8051, 17.3302

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6974, 13.5939, 15.5903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5929, 13.8051, 17.3302 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(93, 106, 112) looks like.

```
.text, #text, p{  
    color:rgb(93, 106, 112)  
}
```

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(93, 106, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 106, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.5929, 13.8051, 17.3302 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(93, 106, 112) }
```


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

```
.border{ border-color:rgb(93, 106, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 106, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 106, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 106, 112);  
box-shadow:4px 4px 4px 4px rgb(93, 106,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5929, 13.8051, 17.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 106, 112) }
```

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

```
.background{ background-color: rgb(93, 106,  
112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor