

Converting Colors

XYZ(12.7010, 14.0438, 16.2245)

Have a look what the booklet for
XYZ(12.7010, 14.0438, 16.2245)
contains.

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Color

**XYZ(12.6838, 14.0310,
16.2271)**

Conversions

Conversions Part 1

Format	Color
Hex	5F6B6C
RGB	95, 107, 108
RGB Percent	37%, 42%, 42%
CMY	0.6274, 0.5804, 0.5765
CMYK	0.12, 0.01, 0.00, 0.58
HSL	185°, 6%, 40%
HSV	185°, 12%, 42%
XYZ	12.6838, 14.0310, 16.2271
YIQ	103.5260, -7.4730, -2.2330

Conversions

Conversions Part 2

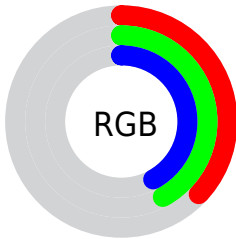
Format	Color
RYB	95, 101, 108
Decimal	6253420
CIELab	44.28, -4.31, -2.11
CIElCh	44, 4.796, 206.106
Yxy	14.0310, 0.2954, 0.3267
Android (android.graphics.Color)	4284443500 (0xFF5F6B6C)
YUV	103.5260, 2.2057, -7.4773
Hunter-Lab	37.4580, -5.1088, 0.5357

Details

The XYZ color **12.6838, 14.0310, 16.2271** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4329, 12.3801, 12.5611**, and the grayscale version is **13.0277, 13.7062, 14.9260**.

A 20% lighter version of the original color is **30.3389, 33.0679, 37.5846**, and **3.7248, 4.2216, 5.0334** is the 20% darker color. If you saturate the color by 10%, you get **11.5529, 13.3206, 16.1498**, and if you desaturate by 10%, it is **13.9719, 14.8244, 16.3126**.

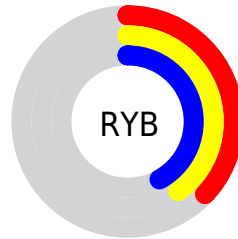
Distribution



Red (37%)

Green (42%)

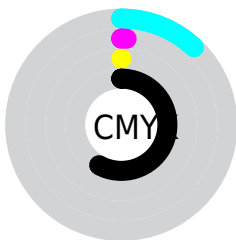
Blue (42%)



Red (37%)

Yellow (40%)

Blue (42%)

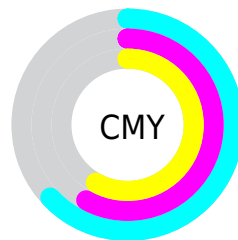


Cyan (12%)

Magenta (1%)

Yellow (0%)

Black (58%)



Cyan (63%)

Magenta (58%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6838, 14.0310, 16.2271 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 12.6838, 14.0310, 16.2271 by changing the saturation by 10% instead.

■ 12.6838, 14.0310,
16.2271

■ 12.6838, 14.0310,
16.2271

202.5600,
217.4236, 242.5694

■ 7.2867, 8.1422,
9.5289

■ 30.3407, 33.1440,
37.7643

■ 3.6899, 4.1861,
4.9863

■ 43.3312, 47.1371,
53.4403

■ 1.5283, 1.7782,
2.1806

■ 59.5835, 64.6003,
72.9461

■ 0.3449, 0.4735,
0.6631

■ 79.4630, 85.9182,
96.7001

■ 0.0000, 0.0000,
0.0000

103.3350,
111.4750, 125.1209

131.5650,

141.6553, 158.6270

164.5182,
176.8434, 197.6370

■ 12.6838, 14.0310,
16.2271

■ 12.6838, 14.0310,
16.2271

■ 11.5529, 13.3206,
16.1498

■ 13.9719, 14.8244,
16.3126

■ 10.5716, 12.6882,
16.0795

■ 15.4221, 15.7022,
16.4056

■ 9.7336, 12.1309,
16.0161

■ 17.0403, 16.6679,
16.5067

■ 9.0314, 11.6448,
15.9592

■ 18.8320, 17.7243,
16.6161

■ 8.4572, 11.2259,
15.9087

■ 20.8023, 18.8740,
16.7342

8.0020, 10.8696,
15.8639

22.9562, 20.1196,
16.8611

7.6560, 10.5708,
15.8244

25.2985, 21.4635,
16.9971

7.4069, 10.3232,
15.7898

27.8338, 22.9082,
17.1423

7.2359, 10.1409,
15.7636

30.5663, 24.4559,
17.2970

Harmonies

Analogous

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



12.6127, 14.0310, 15.1342



12.6838, 14.0310, 16.2271



12.9284, 14.0310, 17.1011

Triad

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



12.6838, 14.0310, 16.2271



13.9585, 14.0310, 16.4875



13.3863, 14.0310, 13.2629

Complementary

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



12.6838, 14.0310, 16.2271



12.4329, 12.3801, 12.5611

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.



13.7521, 14.0310, 13.5881



12.6838, 14.0310, 16.2271



14.0865, 14.0310, 15.4215

Square

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



12.6838, 14.0310, 16.2271



13.6637, 14.0310, 17.2565



14.0103, 14.0310, 14.3654



13.0137, 14.0310, 13.4557

Rectangle

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



12.6838, 14.0310, 16.2271



13.1595, 14.0310, 17.4239



14.0103, 14.0310, 14.3654



13.5142, 14.0310, 13.3148

Sweetspot

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



12.6842, 14.0316, 16.2274



24.0376, 25.7253, 28.6063



12.1873, 14.0003, 13.0944



5.7835, 6.2054, 6.9217



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.



12.6842, 14.0316, 16.2274



21.7787, 24.3287, 28.4557



12.0445, 12.7522, 16.0142



3.1629, 3.4541, 3.9349



8.6219, 12.0782, 18.7992



43.6473, 60.9731, 95.6947

Inverse Universe

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



12.9307, 12.4344, 15.6292



22.2894, 21.0351, 27.2128



13.0376, 13.5896, 12.7627



3.2080, 3.1601, 3.8258



10.0988, 4.8917, 14.6808



51.3139, 24.8675, 74.0469

Previews

White Background



This preview shows how the XYZ color 12.6838, 14.0310, 16.2271 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 12.6838, 14.0310, 16.2271 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

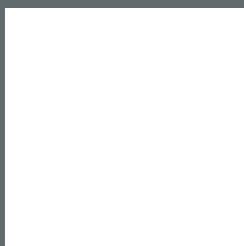
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6838, 14.0310, 16.2271

Background



This preview shows how black text looks on a background with the XYZ color 12.6838, 14.0310, 16.2271.



This preview shows how white text looks on a background with the XYZ color 12.6838, 14.0310,

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

12.6838, 14.0310, 16.2271

Protanopia

13.4957, 14.0054, 15.6277

Deuteranopia

14.2240, 13.9222, 16.4056



Tritanopia

13.0152, 14.0098, 17.9378

Trichromacy



Original Color

12.6838, 14.0310, 16.2271

Protanomaly

13.1849, 13.9895, 15.9152

Deuteranomaly

13.5544, 13.8688, 16.4305

Tritanomaly

12.9025, 13.9647, 17.3447

Monochromacy



Original Color

12.6838, 14.0310, 16.2271

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9682, 13.8898, 15.3621

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6838, 14.0310, 16.2271 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(95, 107, 108) looks like.

```
.text, #text, p{  
    color:rgb(95, 107, 108)  
}
```

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(95, 107, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 107, 108) }
```

Border

The CSS property to change the border of an element to XYZ 12.6838, 14.0310, 16.2271 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(95, 107, 108) }
```


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

```
.border{ border-color:rgb(95, 107, 108) }
```

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

Here you see how a box with a 4 pixel rgb(95, 107, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 107, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 107, 108);  
box-shadow:4px 4px 4px 4px rgb(95, 107,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6838, 14.0310, 16.2271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 107, 108) }
```

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

```
.background{ background-color: rgb(95, 107,  
108) }
```

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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