

Converting Colors

XYZ(12.8292, 15.2146, 16.0564)

Have a look what the booklet for
XYZ(12.8292, 15.2146, 16.0564)
contains.

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Color

**XYZ(12.8876, 15.2698,
16.1780)**

Conversions

Conversions Part 1

Format	Color
Hex	5A726B
RGB	90, 114, 107
RGB Percent	35%, 45%, 42%
CMY	0.6471, 0.5529, 0.5804
CMYK	0.21, 0.00, 0.06, 0.55
HSL	162°, 12%, 40%
HSV	162°, 21%, 45%
XYZ	12.8876, 15.2698, 16.1780
YIQ	106.0260, -12.0570, -7.2650

Conversions

Conversions Part 2

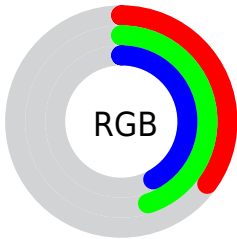
Format	Color
R_{YB}	90, 104, 114
Decimal	5927531
CIE Lab	46.00, -10.38, 0.97
CIE LCh	46, 10.422, 174.663
Yxy	15.2698, 0.2907, 0.3444
Android (android.graphics.Color)	4284117611 (0xFF5A726B)
YUV	106.0260, 0.4802, -14.0548
Hunter-Lab	39.0766, -9.5141, 2.8071

Details

The XYZ color **12.8876, 15.2698, 16.1780** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7538, 11.7532, 12.9064**, and the grayscale version is **13.7081, 14.4220, 15.7056**.

A 20% lighter version of the original color is **30.6230, 35.3165, 37.5505**, and **3.8025, 4.7581, 4.9930** is the 20% darker color. If you saturate the color by 10%, you get **11.6912, 14.6732, 15.2264**, and if you desaturate by 10%, it is **14.2618, 15.9580, 17.1737**.

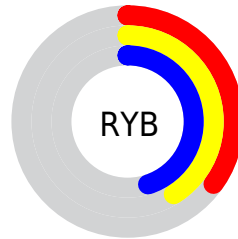
Distribution



Red (35%)

Green (45%)

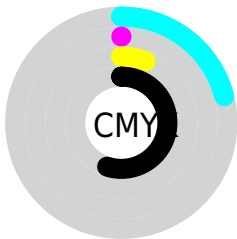
Blue (42%)



Red (35%)

Yellow (41%)

Blue (45%)

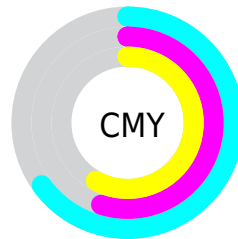


Cyan (21%)

Magenta (0%)

Yellow (6%)

Black (55%)



Cyan (65%)

Magenta (55%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8876, 15.2698, 16.1780 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 12.8876, 15.2698, 16.1780 by changing the saturation by 10% instead.

■ 12.8876, 15.2698,
16.1780

■ 12.8876, 15.2698,
16.1780

203.8482,
224.9935, 242.2712

■ 7.4277, 9.0090,
9.4945

■ 30.7047, 35.3258,
37.6780

■ 3.7797, 4.7470,
4.9639

■ 43.7926, 49.8897,
53.3316

■ 1.5782, 2.0996,
2.1677

■ 60.1539, 67.9902,
72.8123

■ 0.3782, 0.6644,
0.6557

■ 80.1539, 90.0115,
96.5386

■ 0.0000, 0.0000,
0.0000

■ 104.1580,
116.3381, 124.9292

132.5315,

147.3544, 158.4024

165.6398,
183.4447, 197.3769

■ 12.8876, 15.2698,
16.1780

■ 12.8876, 15.2698,
16.1780

■ 11.6912, 14.6732,
15.2264

■ 14.2618, 15.9580,
17.1737

■ 10.6633, 14.1624,
14.3171

■ 15.8196, 16.7397,
18.2133

■ 9.7961, 13.7337,
13.4496

■ 17.5686, 17.6191,
19.2976

■ 9.0804, 13.3823,
12.6232

■ 19.5150, 18.5996,
20.4275

■ 8.5061, 13.1030,
11.8370

■ 21.6653, 19.6843,
21.6036

■ 8.0619, 12.8901,
11.0900

■ 24.0253, 20.8763,
22.8265

■ 7.7346, 12.7367,
10.3811

■ 26.6007, 22.1785,
24.0968

■ 7.4933, 12.6254,
9.7767

■ 29.3970, 23.5938,
25.4152

■ 32.4194, 25.1247,
26.7822

Harmonies

Analogous

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



13.1719, 15.2698, 13.9691



12.8876, 15.2698, 16.1780



13.0244, 15.2698, 18.7392

Triad

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



12.8876, 15.2698, 16.1780



15.2337, 15.2698, 21.4488



15.5179, 15.2698, 12.9662

Complementary

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



12.8876, 15.2698, 16.1780



12.7538, 11.7532, 12.9064

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.



16.1120, 15.2698, 14.6784



12.8876, 15.2698, 16.1780



15.9432, 15.2698, 19.6005

Square

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



12.8876, 15.2698, 16.1780



14.3561, 15.2698, 21.9535



16.2707, 15.2698, 17.0826



14.6720, 15.2698, 12.2390

Rectangle

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



12.8876, 15.2698, 16.1780



13.3389, 15.2698, 20.2843



16.2707, 15.2698, 17.0826



15.7550, 15.2698, 13.4367

Sweetspot

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



12.8880, 15.2704, 16.1783



26.3609, 28.6936, 31.0631



12.8144, 15.3258, 11.9559



6.0678, 6.6215, 7.1647



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.



12.8880, 15.2704, 16.1783



21.6439, 26.3325, 27.6516



12.7442, 14.3691, 18.0221



3.4355, 3.7994, 4.0997



8.3337, 14.0510, 10.8438



41.1247, 69.8385, 51.9696

Inverse Universe

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



12.7538, 11.7532, 12.9064



21.3659, 19.0371, 20.8671



12.8596, 12.4645, 11.4012



3.4208, 3.4160, 3.7428



8.0278, 4.1035, 1.9561



39.6562, 20.3078, 7.9875

Previews

White Background



This preview shows how the XYZ color 12.8876, 15.2698, 16.1780 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 12.8876, 15.2698, 16.1780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

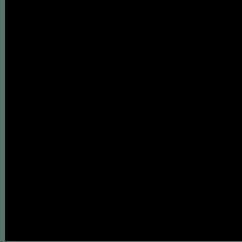
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8876, 15.2698, 16.1780

Background



This preview shows how black text looks on a background with the XYZ color 12.8876, 15.2698, 16.1780.



This preview shows how white text looks on a background with the XYZ color 12.8876, 15.2698,

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

12.8876, 15.2698, 16.1780

Protanopia

14.5433, 15.1693, 15.2582

Deuteranopia

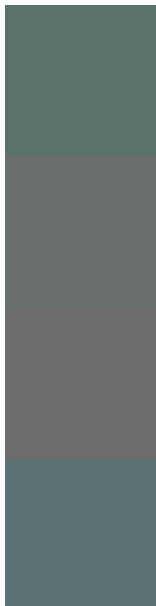
15.4196, 15.1292, 16.5755



Tritanopia

13.7596, 15.2960, 20.3164

Trichromacy



Original Color

12.8876, 15.2698, 16.1780

Protanomaly

13.8347, 15.1148, 15.5529

Deuteranomaly

14.2537, 14.9960, 16.3306

Tritanomaly

13.4711, 15.3465, 18.7752

Monochromacy



Original Color

12.8876, 15.2698, 16.1780

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3257, 14.6872, 15.7682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8876, 15.2698, 16.1780 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(90, 114, 107) looks like.

```
.text, #text, p{  
    color:rgb(90, 114, 107)  
}
```

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(90, 114, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 114, 107) }
```

Border

The CSS property to change the border of an element to XYZ 12.8876, 15.2698, 16.1780 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(90, 114, 107) }
```


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

```
.border{ border-color:rgb(90, 114, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 114, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 114, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 114, 107);  
box-shadow:4px 4px 4px 4px rgb(90, 114,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8876, 15.2698, 16.1780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 114, 107) }
```

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

```
.background{ background-color: rgb(90, 114,  
107) }
```

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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