

Converting Colors

XYZ(12.0387, 14.5197, 12.4883)

Have a look what the booklet for
XYZ(12.0387, 14.5197, 12.4883)
contains.

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Color

**XYZ(12.0843, 14.6028,
12.5376)**

Conversions

Conversions Part 1

Format	Color
Hex	5B705D
RGB	91, 112, 93
RGB Percent	36%, 44%, 36%
CMY	0.6431, 0.5608, 0.6353
CMYK	0.19, 0.00, 0.17, 0.56
HSL	126°, 10%, 40%
HSV	126°, 19%, 44%
XYZ	12.0843, 14.6028, 12.5376
YIQ	103.5550, -6.4170, -10.3610

Conversions

Conversions Part 2

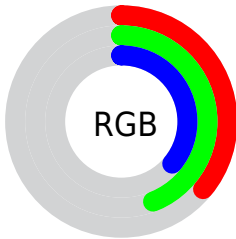
Format	Color
R_{YB}	91, 110, 112
Decimal	5992541
CIE Lab	45.09, -11.88, 8.02
CIE LCh	45, 14.333, 145.980
Yxy	14.6028, 0.3081, 0.3723
Android (android.graphics.Color)	4284182621 (0xFF5B705D)
YUV	103.5550, -5.2036, -11.0107
Hunter-Lab	38.2136, -10.4267, 7.2969

Details

The XYZ color **12.0843, 14.6028, 12.5376** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2381, 12.0530, 16.3812**, and the grayscale version is **13.0543, 13.7341, 14.9565**.

A 20% lighter version of the original color is **29.2179, 34.1968, 31.0473**, and **3.4287, 4.4299, 3.3637** is the 20% darker color. If you saturate the color by 10%, you get **10.6421, 13.9082, 10.2804**, and if you desaturate by 10%, it is **13.7516, 15.4074, 15.1165**.

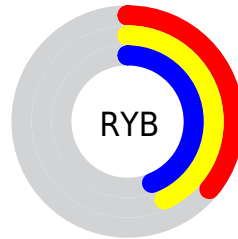
Distribution



Red (36%)

Green (44%)

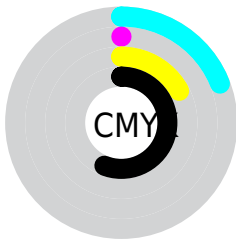
Blue (36%)



Red (36%)

Yellow (43%)

Blue (44%)

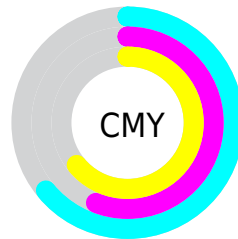


Cyan (19%)

Magenta (0%)

Yellow (17%)

Black (56%)



Cyan (64%)

Magenta (56%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0843, 14.6028, 12.5376 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 12.0843, 14.6028, 12.5376 by changing the saturation by 10% instead.

■ 12.0843, 14.6028,
12.5376

■ 12.0843, 14.6028,
12.5376

198.7211,
220.9493, 219.0353

■ 6.8737, 8.5411,
6.9840

■ 29.2641, 34.1549,
31.1494

■ 3.4289, 4.4431,
3.3738

■ 41.9640, 48.4140,
45.0447

■ 1.3844, 1.9244,
1.2885

■ 57.8910, 66.1744,
62.5576

■ 0.2451, 0.5630,
0.0523

■ 77.4106, 87.8205,
84.1067

■ 0.0000, 0.0000,
0.0000

100.8881,
113.7366, 110.1104

128.6887,

144.3072, 140.9874

161.1779,
179.9166, 177.1562

■ 12.0843, 14.6028,
12.5376

■ 12.0843, 14.6028,
12.5376

■ 10.6421, 13.9082,
10.2804

■ 13.7516, 15.4074,
15.1165

■ 9.4142, 13.3171,
8.3315

■ 15.6519, 16.3246,
18.0279

■ 8.3908, 12.8250,
6.6775

■ 17.7941, 17.3591,
21.2836

■ 7.5606, 12.4266,
5.3043

■ 20.1862, 18.5148,
24.8942

■ 6.9115, 12.1158,
4.1962

■ 22.8361, 19.7956,
28.8700

■ 6.4298, 11.8860,
3.3362

■ 25.7510, 21.2050,
33.2209

■ 6.1001, 11.7297,
2.7050

■ 28.9380, 22.7465,
37.9563

■ 5.8779, 11.6243,
2.2796

■ 32.4040, 24.4233,
43.0855

■ 5.8530, 11.6123,
2.2396

■ 36.1556, 26.2388,
48.6172

Harmonies

Analogous

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



12.9101, 14.6028, 10.7492



12.0843, 14.6028, 12.5376



11.7390, 14.6028, 15.4492

Triad

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



12.0843, 14.6028, 12.5376



13.7212, 14.6028, 23.2944



16.0185, 14.6028, 13.2224

Complementary

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



12.0843, 14.6028, 12.5376



13.2381, 12.0530, 16.3812

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.



16.2656, 14.6028, 16.3594



12.0843, 14.6028, 12.5376



14.8963, 14.6028, 22.4785

Square

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



12.0843, 14.6028, 12.5376



12.6496, 14.6028, 21.9102



15.8443, 14.6028, 19.8154



15.1867, 14.6028, 11.1036

Rectangle

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



12.0843, 14.6028, 12.5376



11.8125, 14.6028, 17.7549



15.8443, 14.6028, 19.8154



16.1746, 14.6028, 14.1789

Sweetspot

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



12.0847, 14.6034, 12.5379



24.9832, 27.4644, 27.8246



14.1447, 15.6755, 12.1778



5.9661, 6.5808, 6.6295



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.



12.0847, 14.6034, 12.5379



19.9513, 25.0376, 20.0322



12.5697, 14.7974, 15.0920



3.3568, 3.7679, 3.6851



6.7613, 13.4220, 2.5637



33.5282, 66.7999, 11.9670

Inverse Universe

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



13.2381, 12.0530, 16.3812



22.4191, 19.5801, 28.2542



12.7118, 11.8424, 13.6094



3.5014, 3.4483, 4.1670



10.4549, 5.0743, 14.7372



51.9073, 25.2082, 72.5011

Previews

White Background



This preview shows how the XYZ color 12.0843, 14.6028, 12.5376 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 12.0843, 14.6028, 12.5376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

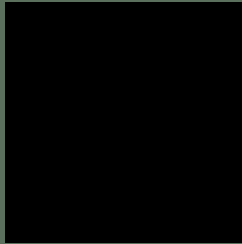
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0843, 14.6028, 12.5376

Background



This preview shows how black text looks on a background with the XYZ color 12.0843, 14.6028, 12.5376.



This preview shows how white text looks on a background with the XYZ color 12.0843, 14.6028,

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

12.0843, 14.6028, 12.5376

Protanopia

13.6816, 14.4910, 11.7488

Deuteranopia

14.8010, 14.5917, 12.8629



Tritanopia

13.3988, 14.6545, 18.9520

Trichromacy



Original Color

12.0843, 14.6028, 12.5376

Protanomaly

12.9598, 14.4235, 11.9985

Deuteranomaly

13.6048, 14.4312, 12.6581

Tritanomaly

12.8988, 14.6143, 16.3284

Monochromacy



Original Color

12.0843, 14.6028, 12.5376

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.7035, 14.0881, 14.1063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0843, 14.6028, 12.5376 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(91, 112, 93) looks like.

```
.text, #text, p{  
    color:rgb(91, 112, 93)  
}
```

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(91, 112, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 112, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.0843, 14.6028, 12.5376 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(91, 112, 93) }
```


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

```
.border{ border-color:rgb(91, 112, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 112, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 112, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 112, 93);  
box-shadow:4px 4px 4px 4px rgb(91, 112,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0843, 14.6028, 12.5376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 112, 93) }
```

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

```
.background{ background-color: rgb(91, 112,  
93) }
```

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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