

Converting Colors

XYZ(12.6167, 14.5851, 18.3699)

Have a look what the booklet for
XYZ(12.6167, 14.5851, 18.3699)
contains.

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Color

**XYZ(12.6167, 14.5851,
18.3699)**

Conversions

Conversions Part 1

Format	Color
Hex	566F73
RGB	86, 111, 115
RGB Percent	34%, 44%, 45%
CMY	0.6627, 0.5647, 0.5490
CMYK	0.25, 0.03, 0.00, 0.55
HSL	188°, 14%, 39%
HSV	188°, 25%, 45%
XYZ	12.6167, 14.5851, 18.3699
YIQ	103.9810, -16.1840, -4.0560

Conversions

Conversions Part 2

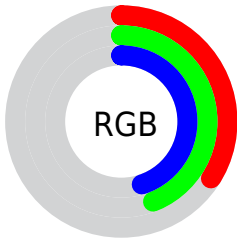
Format	Color
R_{YB}	86, 99, 115
Decimal	5664627
CIE _{Lab}	45.06, -8.13, -5.24
CIE _{LCh}	45, 9.674, 212.769
Yxy	14.5851, 0.2769, 0.3200
Android (android.graphics.Color)	4283854707 (0xFF566F73)
YUV	103.9810, 5.4324, -15.7693
Hunter-Lab	38.1904, -7.8635, -1.7856

Details

The XYZ color **12.6167, 14.5851, 18.3699** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4063, 11.6291, 10.3952**, and the grayscale version is **13.1424, 13.8268, 15.0574**.

A 20% lighter version of the original color is **30.2256, 34.2186, 41.5710**, and **3.6273, 4.3916, 5.9667** is the 20% darker color. If you saturate the color by 10%, you get **11.4705, 13.7400, 18.2674**, and if you desaturate by 10%, it is **13.9372, 15.5254, 18.4820**.

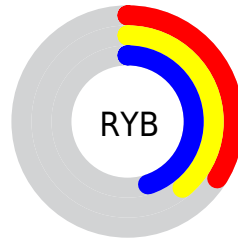
Distribution



Red (34%)

Green (44%)

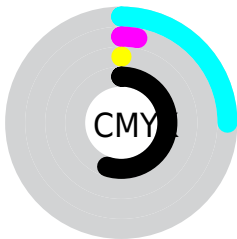
Blue (45%)



Red (34%)

Yellow (39%)

Blue (45%)

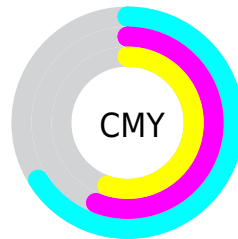


Cyan (25%)

Magenta (3%)

Yellow (0%)

Black (55%)



Cyan (66%)

Magenta (56%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6167, 14.5851, 18.3699 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 12.6167, 14.5851, 18.3699 by changing the saturation by 10% instead.

■ 12.6167, 14.5851,
18.3699

■ 12.6167, 14.5851,
18.3699

202.1340,
220.8410, 255.2536

■ 7.2403, 8.5287,
11.0437

■ 30.2206, 34.1237,
41.4890

■ 3.6605, 4.4351,
5.9817

■ 43.1789, 48.3746,
58.1191

■ 1.5119, 1.9198,
2.7653

■ 59.3952, 66.1259,
78.6874

■ 0.3339, 0.5602,
0.9761

■ 79.2348, 87.7619,
103.6127

■ 0.0000, 0.0000,
0.0000

■ 103.0631,
113.6670, 133.3134

131.2455,

144.2257, 168.2081

164.1474,
179.8222, 208.7153

■ 12.6167, 14.5851,
18.3699

■ 12.6167, 14.5851,
18.3699

■ 11.4705, 13.7400,
18.2674

■ 13.9372, 15.5254,
18.4820

■ 10.4893, 12.9841,
18.1732

■ 15.4384, 16.5630,
18.6032

■ 9.6645, 12.3134,
18.0873

■ 17.1277, 17.7022,
18.7340

■ 8.9866, 11.7229,
18.0090

■ 19.0121, 18.9466,
18.8749

■ 8.4448, 11.2070,
17.9380

■ 21.0979, 20.2995,
19.0261

■ 8.0269, 10.7594,
17.8736

■ 23.3913, 21.7641,
19.1879

■ 7.7112, 10.3689,
17.8149

■ 25.8980, 23.3433,
19.3606

■ 7.5700, 10.1888,
17.7876

■ 28.6237, 25.0402,
19.5445

■ 31.5739, 26.8576,
19.7398

Harmonies

Analogous

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



12.3913, 14.5851, 16.0931



12.6167, 14.5851, 18.3699



13.1749, 14.5851, 20.0999

Triad

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



12.6167, 14.5851, 18.3699



15.2667, 14.5851, 17.9693



13.7890, 14.5851, 11.8971

Complementary

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



12.6167, 14.5851, 18.3699



12.4063, 11.6291, 10.3952

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.



14.5740, 14.5851, 12.2976



12.6167, 14.5851, 18.3699



15.4462, 14.5851, 15.6702

Square

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



12.6167, 14.5851, 18.3699



14.7066, 14.5851, 19.8535



15.1881, 14.5851, 13.6272



13.0517, 14.5851, 12.4767

Rectangle

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



12.6167, 14.5851, 18.3699



13.6712, 14.5851, 20.6315



15.1881, 14.5851, 13.6272



14.0560, 14.5851, 11.9217

Sweetspot

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



12.6171, 14.5857, 18.3702



26.8055, 29.0838, 33.2454



11.8086, 14.9761, 11.9117



6.3120, 6.8813, 7.9245



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.6171, 14.5857, 18.3702



21.4117, 25.2541, 32.7905



11.1735, 11.6983, 17.8890



3.7424, 4.0734, 4.6792



8.6427, 11.6250, 20.3309



41.6528, 55.7223, 98.9204

Inverse Universe

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



13.2676, 11.4485, 16.5501



22.7957, 18.7148, 28.8873



13.7375, 14.2916, 10.8389



3.8060, 3.7497, 4.5050



10.6596, 5.1975, 13.9473



51.7112, 25.2346, 66.7336

Previews

White Background



This preview shows how the XYZ color 12.6167, 14.5851, 18.3699 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 12.6167, 14.5851, 18.3699 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

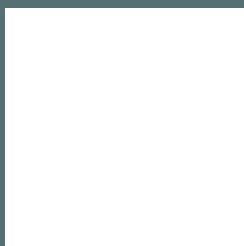
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6167, 14.5851, 18.3699

Background



This preview shows how black text looks on a background with the XYZ color 12.6167, 14.5851, 18.3699.



This preview shows how white text looks on a background with the XYZ color 12.6167, 14.5851,

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

12.6167, 14.5851, 18.3699

Protanopia

14.1421, 14.6037, 17.4027

Deuteranopia

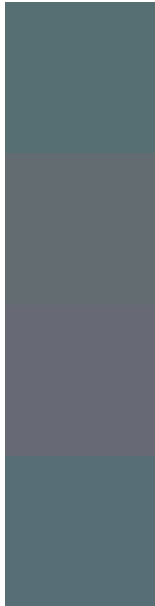
14.7432, 14.4296, 18.8378



Tritanopia

12.8362, 14.5100, 19.5769

Trichromacy



Original Color

12.6167, 14.5851, 18.3699

Protanomaly

13.4888, 14.5700, 17.7241

Deuteranomaly

13.8999, 14.4526, 18.5800

Tritanomaly

12.7764, 14.4861, 19.2622

Monochromacy



Original Color

12.6167, 14.5851, 18.3699

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.8942, 14.1395, 16.2370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6167, 14.5851, 18.3699 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(86, 111, 115) looks like.

```
.text, #text, p{  
    color:rgb(86, 111, 115)  
}
```

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(86, 111, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 111, 115) }
```

Border

The CSS property to change the border of an element to XYZ 12.6167, 14.5851, 18.3699 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(86, 111, 115) }
```


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

```
.border{ border-color:rgb(86, 111, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 111, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 111, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 111, 115);  
box-shadow:4px 4px 4px 4px rgb(86, 111,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6167, 14.5851, 18.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 111, 115) }
```

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

```
.background{ background-color: rgb(86, 111,  
115) }
```

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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