

Converting Colors

XYZ(11.8590, 14.8702, 17.8680)

Have a look what the booklet for
XYZ(11.8590, 14.8702, 17.8680)
contains.

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Color

**XYZ(11.8590, 14.8702,
17.8680)**

Conversions

Conversions Part 1

Format	Color
Hex	497371
RGB	73, 115, 113
RGB Percent	29%, 45%, 44%
CMY	0.7137, 0.5490, 0.5569
CMYK	0.37, 0.00, 0.02, 0.55
HSL	177°, 22%, 37%
HSV	177°, 37%, 45%
XYZ	11.8590, 14.8702, 17.8680
YIQ	102.2140, -24.3900, -9.5260

Conversions

Conversions Part 2

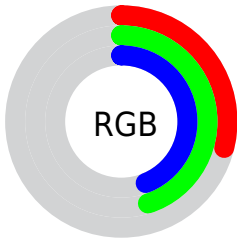
Format	Color
R_YB	73, 95, 115
Decimal	4813681
CIE Lab	45.46, -15.05, -3.54
CIE LCh	45, 15.460, 193.231
Yxy	14.8702, 0.2659, 0.3334
Android (android.graphics.Color)	4283003761 (0xFF497371)
YUV	102.2140, 5.3175, -25.6207
Hunter-Lab	38.5619, -12.5889, -0.4792

Details

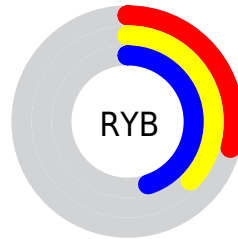
The XYZ color **11.8590, 14.8702, 17.8680** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.7233, 8.9183, 7.8133**, and the grayscale version is **12.6767, 13.3369, 14.5238**.

A 20% lighter version of the original color is **28.9224, 34.6391, 40.7590**, and **3.3380, 4.5902, 5.7111** is the 20% darker color. If you saturate the color by 10%, you get **11.0364, 14.4500, 17.6692**, and if you desaturate by 10%, it is **12.8438, 15.3747, 18.0760**.

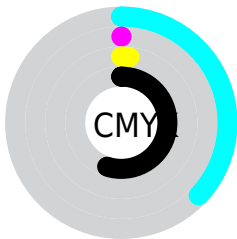
Distribution



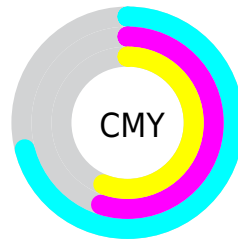
- Red (29%)
- Green (45%)
- Blue (44%)



- Red (29%)
- Yellow (37%)
- Blue (45%)



- Cyan (37%)
- Magenta (0%)
- Yellow (2%)
- Black (55%)



- Cyan (71%)
- Magenta (55%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8590, 14.8702, 17.8680 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 11.8590, 14.8702, 17.8680 by changing the saturation by 10% instead.

■ 11.8590, 14.8702,
17.8680

■ 11.8590, 14.8702,
17.8680

197.2586,
222.5792, 252.3371

■ 6.7193, 8.7283,
10.6868

■ 28.8571, 34.6253,
40.6232

■ 3.3319, 4.5644,
5.7451

■ 41.4462, 49.0074,
57.0342

■ 1.3316, 1.9940,
2.6245

■ 57.2492, 66.9049,
77.3590

■ 0.2067, 0.6040,
0.9050

■ 76.6313, 88.7024,
102.0159

■ 0.0000, 0.0000,
0.0000

■ 99.9579, 114.7841,
131.4237

127.5944,

145.5346, 166.0008

159.9062,
181.3382, 206.1657

■ 11.8590, 14.8702,
17.8680

■ 11.8590, 14.8702,
17.8680

■ 11.0364, 14.4500,
17.6692

■ 12.8438, 15.3747,
18.0760

■ 10.3658, 14.1079,
17.4782

■ 13.9978, 15.9660,
18.2925

■ 9.8378, 13.8392,
17.2949

■ 15.3290, 16.6487,
18.5183

■ 9.4417, 13.6385,
17.1187

■ 16.8447, 17.4263,
18.7537

■ 9.1649, 13.4993,
16.9490

■ 18.5515, 18.3026,
18.9991

■ 8.9799, 13.4074,
16.7846

■ 20.4560, 19.2807,
19.2547

■ 8.9195, 13.3774,
16.7278

■ 22.5643, 20.3639,
19.5208

■ 24.8823, 21.5551,
19.7977

■ 27.4156, 22.8573,
20.0856

Harmonies

Analogous

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



11.8942, 14.8702, 14.2312



11.8590, 14.8702, 17.8680



12.4062, 14.8702, 21.5467

Triad

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



11.8590, 14.8702, 17.8680



15.8973, 14.8702, 21.9232



14.8597, 14.8702, 10.3092

Complementary

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



11.8590, 14.8702, 17.8680



10.7233, 8.9183, 7.8133

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.



16.0144, 14.8702, 11.8058



11.8590, 14.8702, 17.8680



16.6380, 14.8702, 18.3231

Square

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



11.8590, 14.8702, 17.8680



14.7077, 14.8702, 24.1165



16.6821, 14.8702, 14.6226



13.5748, 14.8702, 10.2256

Rectangle

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



11.8590, 14.8702, 17.8680



13.0482, 14.8702, 23.3789



16.6821, 14.8702, 14.6226



15.2778, 14.8702, 10.6520

Sweetspot

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



11.8594, 14.8708, 17.8683



26.2717, 29.2079, 32.9644



10.2432, 14.2430, 8.5128



6.2088, 6.9378, 7.8541



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.



11.8594, 14.8708, 17.8683



19.9467, 25.9689, 31.6867



10.0346, 11.0387, 17.8222



3.7761, 4.1524, 4.6551



10.1943, 15.2917, 19.1109



49.5859, 74.4816, 92.6455

Inverse Universe

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



10.7233, 8.9183, 7.8133



17.5875, 13.6014, 10.8025



12.0918, 11.7633, 7.9368



3.6904, 3.7034, 3.8963



8.1148, 4.1796, 0.5465



39.4543, 20.3318, 2.1899

Previews

White Background



This preview shows how the XYZ color 11.8590, 14.8702, 17.8680 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 11.8590, 14.8702, 17.8680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

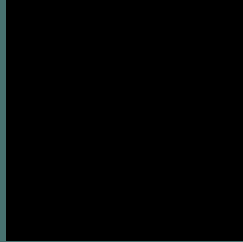
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8590, 14.8702, 17.8680

Background



This preview shows how black text looks on a background with the XYZ color 11.8590, 14.8702, 17.8680.



This preview shows how white text looks on a background with the XYZ color 11.8590, 14.8702,

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

11.8590, 14.8702, 17.8680

Protanopia

14.2711, 14.8493, 16.3014

Deuteranopia

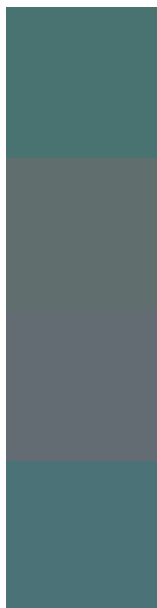
14.9843, 14.7158, 18.2703



Tritanopia

12.4941, 14.9605, 20.9681

Trichromacy



Original Color

11.8590, 14.8702, 17.8680

Protanomaly

13.2143, 14.7644, 16.9052

Deuteranomaly

13.5454, 14.5927, 18.0223

Tritanomaly

12.1711, 14.8224, 19.6723

Monochromacy



Original Color

11.8590, 14.8702, 17.8680

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.1736, 13.7801, 15.6539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8590, 14.8702, 17.8680 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(73, 115, 113)` looks like.

```
.text, #text, p{  
    color:rgb(73, 115, 113)  
}
```

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(73, 115, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 115, 113) }
```

Border

The CSS property to change the border of an element to XYZ 11.8590, 14.8702, 17.8680 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(73, 115, 113) }
```


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

```
.border{ border-color:rgb(73, 115, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 115, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 115, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 115, 113);  
box-shadow:4px 4px 4px 4px rgb(73, 115,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8590, 14.8702, 17.8680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 115, 113) }
```

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

```
.background{ background-color: rgb(73, 115,  
113) }
```

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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