

Converting Colors

XYZ(11.8847, 15.6082, 10.2106)

Have a look what the booklet for
XYZ(11.8847, 15.6082, 10.2106)
contains.

XYZ(11.8941, 15.5772, 10.1644)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.8941, 15.5772,
10.1644)**

Conversions

Conversions Part 1

Format	Color
Hex	577651
RGB	87, 118, 81
RGB Percent	34%, 46%, 32%
CMY	0.6588, 0.5372, 0.6823
CMYK	0.26, 0.00, 0.31, 0.54
HSL	110°, 19%, 39%
HSV	110°, 31%, 46%
XYZ	11.8941, 15.5772, 10.1644
YIQ	104.5130, -6.5990, -18.0790

Conversions

Conversions Part 2

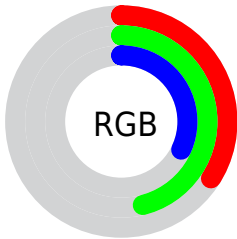
Format	Color
R_{YB}	81, 118, 112
Decimal	5731921
CIE _{Lab}	46.41, -18.94, 16.88
CIE _{LCh}	46, 25.371, 138.279
Yxy	15.5772, 0.3160, 0.4139
Android (android.graphics.Color)	4283922001 (0xFF577651)
YUV	104.5130, -11.5919, -15.3589
Hunter-Lab	39.4680, -15.2760, 12.3583

Details

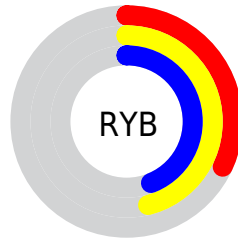
The XYZ color **11.8941, 15.5772, 10.1644** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **12.8953, 10.6381, 18.5141**, and the grayscale version is **13.3276, 14.0217, 15.2696**.

A 20% lighter version of the original color is **28.9527, 35.7914, 26.8552**, and **3.3216, 4.8347, 2.4272** is the 20% darker color. If you saturate the color by 10%, you get **10.6289, 14.9722, 7.9927**, and if you desaturate by 10%, it is **13.3635, 16.2795, 12.7478**.

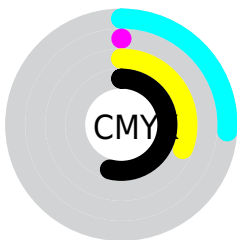
Distribution



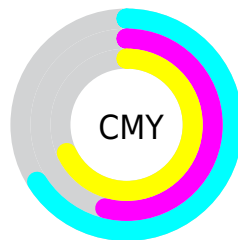
- Red (34%)
- Green (46%)
- Blue (32%)



- Red (32%)
- Yellow (46%)
- Blue (44%)



- Cyan (26%)
- Magenta (0%)
- Yellow (31%)
- Black (54%)



- Cyan (66%)
- Magenta (54%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8941, 15.5772, 10.1644 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 11.8941, 15.5772, 10.1644 by changing the saturation by 10% instead.

■ 11.8941, 15.5772,
10.1644

■ 11.8941, 15.5772,
10.1644

197.4872,
226.8338, 202.3687

■ 6.7433, 9.2255,
5.4011

■ 28.9206, 35.8626,
26.7169

■ 3.3470, 4.8885,
2.4216

■ 41.5270, 50.5651,
39.3432

■ 1.3398, 2.1820,
0.7982

■ 57.3494, 68.8200,
55.4275

■ 0.2127, 0.7102,
0.0000

■ 76.7530, 91.0116,
75.3884

■ 0.0000, 0.0000,
0.0000

■ 100.1032,
117.5244, 99.6444

127.7654,

148.7428, 128.6141

160.1050,
185.0511, 162.7160

■ 11.8941, 15.5772,
10.1644

■ 11.8941, 15.5772,
10.1644

■ 10.6289, 14.9722,
7.9927

■ 13.3635, 16.2795,
12.7478

■ 9.5576, 14.4582,
6.2105

■ 15.0445, 17.0811,
15.7616

■ 8.6708, 14.0315,
4.7950

■ 16.9453, 17.9864,
19.2245

■ 7.9578, 13.6870,
3.7207

■ 19.0737, 18.9988,
23.1538

■ 7.4069, 13.4193,
2.9588

■ 21.4369, 20.1219,
27.5660

■ 7.0048, 13.2222,
2.4758

■ 24.0417, 21.3587,
32.4767

■ 6.7499, 13.0973,
2.1723

■ 26.8948, 22.7124,
37.9008

■ 30.0026, 24.1861,
43.8526

■ 33.3712, 25.7824,
50.3458

Harmonies

Analogous

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



13.5304, 15.5772, 7.9297



11.8941, 15.5772, 10.1644



11.0713, 15.5772, 14.6387

Triad

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



11.8941, 15.5772, 10.1644



13.9709, 15.5772, 31.6274



19.1499, 15.5772, 13.4698

Complementary

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



11.8941, 15.5772, 10.1644



12.8953, 10.6381, 18.5141

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.



19.2975, 15.5772, 19.5166



11.8941, 15.5772, 10.1644



16.1587, 15.5772, 31.0924

Square

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



11.8941, 15.5772, 10.1644



12.1893, 15.5772, 27.5830



18.1574, 15.5772, 26.2628



17.7719, 15.5772, 9.4902

Rectangle

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



11.8941, 15.5772, 10.1644



11.0353, 15.5772, 18.7476



18.1574, 15.5772, 26.2628



19.3497, 15.5772, 15.2916

Sweetspot

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



11.8945, 15.5779, 10.1647



27.1316, 30.3566, 28.9437



14.7329, 15.9980, 10.0962



6.1512, 6.9381, 6.4974



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.



11.8945, 15.5779, 10.1647



19.1926, 26.5663, 14.9094



11.8629, 15.5032, 12.8011



3.6909, 4.1241, 3.9438



7.2941, 14.1646, 2.3496



35.0498, 68.7706, 11.4267

Inverse Universe

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



12.8953, 10.6381, 18.5141



21.2567, 16.3501, 32.1725



12.9984, 10.7705, 14.9394



3.7712, 3.7293, 4.6113



9.0804, 4.2724, 18.8886



43.6431, 20.5073, 92.0184

Previews

White Background



This preview shows how the XYZ color 11.8941, 15.5772, 10.1644 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 11.8941, 15.5772, 10.1644 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 11.8941, 15.5772, 10.1644

Background



This preview shows how black text looks on a background with the XYZ color 11.8941, 15.5772, 10.1644.



This preview shows how white text looks on a background with the XYZ color 11.8941, 15.5772,

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

11.8941, 15.5772, 10.1644

Protanopia

14.3867, 15.5392, 9.2623

Deuteranopia

15.7051, 15.4104, 10.5343



Tritanopia

14.0341, 15.5951, 20.6828

Trichromacy



Original Color

11.8941, 15.5772, 10.1644

Protanomaly

13.3437, 15.4861, 9.4936

Deuteranomaly

14.0767, 15.3538, 10.4053

Tritanomaly

13.0990, 15.5472, 16.2204

Monochromacy



Original Color

11.8941, 15.5772, 10.1644

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.7243, 14.5931, 13.2124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8941, 15.5772, 10.1644 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(87, 118, 81)` looks like.

```
.text, #text, p{  
    color:rgb(87, 118, 81)  
}
```

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(87, 118, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 118, 81) }
```

Border

The CSS property to change the border of an element to XYZ 11.8941, 15.5772, 10.1644 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(87, 118, 81) }
```


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

```
.border{ border-color:rgb(87, 118, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 118, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 118, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 118, 81);  
box-shadow:4px 4px 4px 4px rgb(87, 118,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8941, 15.5772, 10.1644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 118, 81) }
```

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

```
.background{ background-color: rgb(87, 118,  
81) }
```

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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