

Converting Colors

XYZ(11.8066, 17.5941, 15.9373)

Have a look what the booklet for
XYZ(11.8066, 17.5941, 15.9373)
contains.

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Color

**XYZ(11.8466, 17.6685,
15.8827)**

Conversions

Conversions Part 1

Format	Color
Hex	338268
RGB	51, 130, 104
RGB Percent	20%, 51%, 41%
CMY	0.8000, 0.4902, 0.5922
CMYK	0.61, 0.00, 0.20, 0.49
HSL	160°, 44%, 35%
HSV	160°, 61%, 51%
XYZ	11.8466, 17.6685, 15.8827
YIQ	103.4150, -38.7380, -24.8340

Conversions

Conversions Part 2

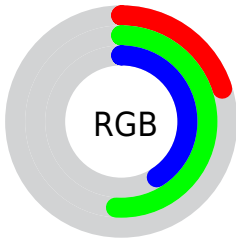
Format	Color
RYB	51, 98, 130
Decimal	3375720
CIELab	49.09, -30.81, 6.95
CIElCh	49, 31.581, 167.295
Yxy	17.6685, 0.2610, 0.3892
Android (android.graphics.Color)	4281565800 (0xFF338268)
YUV	103.4150, 0.2884, -45.9680
Hunter-Lab	42.0339, -23.2519, 7.0208




Details

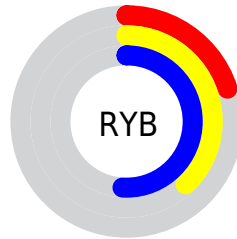
The XYZ color **11.8466, 17.6685, 15.8827** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.7299, 7.6499, 7.8804**, and the grayscale version is **13.0092, 13.6867, 14.9049**.




A 20% lighter version of the original color is **28.8826, 39.6508, 37.1414**, and **3.6072, 6.0327, 4.8452** is the 20% darker color. If you saturate the color by 10%, you get **11.0692, 17.2927, 14.7407**, and if you desaturate by 10%, it is **12.8192, 18.1446, 17.0922**.

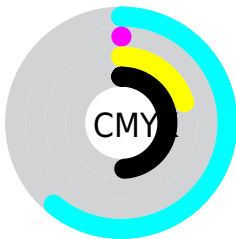
Distribution







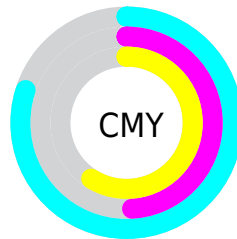
-  Red (20%)
-  Green (51%)
-  Blue (41%)






-  Red (20%)
-  Yellow (38%)
-  Blue (51%)



-  Cyan (61%)
-  Magenta (0%)
-  Yellow (20%)
-  Black (49%)



-  Cyan (80%)
-  Magenta (49%)
-  Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8466, 17.6685, 15.8827 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 11.8466, 17.6685, 15.8827 by changing the saturation by 10% instead.

■ 11.8466, 17.6685,
15.8827

■ 11.8466, 17.6685,
15.8827

197.1778,
238.9959, 240.4706

■ 6.7108, 10.7123,
9.2877

■ 28.8347, 39.4716,
37.1584

■ 3.3266, 5.8737,
4.8300

■ 41.4177, 55.0873,
52.6762

■ 1.3287, 2.7684,
2.0909

■ 57.2137, 74.3583,
72.0054

■ 0.2046, 1.0121,
0.6103

■ 76.5882, 97.6689,
95.5645

■ 0.0000, 0.0000,
0.0000

■ 99.9065, 125.4036,
123.7720

■ 127.5340,

157.9467, 157.0465

159.8360,
195.6826, 195.8065

■ 11.8466, 17.6685,
15.8827

■ 11.8466, 17.6685,
15.8827

■ 11.0692, 17.2927,
14.7407

■ 12.8192, 18.1446,
17.0922

■ 10.4697, 17.0068,
13.6633

■ 13.9997, 18.7261,
18.3695

■ 10.0300, 16.8022,
12.6494

■ 15.4011, 19.4202,
19.7163

■ 9.7120, 16.6574,
11.7661

■ 17.0353, 20.2330,
21.1341

■ 18.9130, 21.1699,
22.6240

■ 21.0443, 22.2363,
24.1874

■ 23.4389, 23.4370,
25.8254

■ 26.1058, 24.7766,
27.5391

■ 29.0535, 26.2596,
29.3298

Harmonies

Analogous

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



12.9613, 17.6685, 10.1916



11.8466, 17.6685, 15.8827



11.9400, 17.6685, 24.4815

Triad

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



11.8466, 17.6685, 15.8827



18.5363, 17.6685, 39.2839



20.9405, 17.6685, 9.6011

Complementary

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



11.8466, 17.6685, 15.8827



11.7299, 7.6499, 7.8804

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.



22.8105, 17.6685, 14.8023



11.8466, 17.6685, 15.8827



21.3148, 17.6685, 32.4888

Square

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



11.8466, 17.6685, 15.8827



15.5768, 17.6685, 39.8283



22.9550, 17.6685, 23.0354



18.0717, 17.6685, 7.3460

Rectangle

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



11.8466, 17.6685, 15.8827



12.6740, 17.6685, 30.8520



22.9550, 17.6685, 23.0354



21.7207, 17.6685, 10.9799

Sweetspot

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



11.8471, 17.6692, 15.8831



30.7403, 35.9999, 37.8250



11.6683, 17.7967, 5.9525



6.7815, 8.0605, 8.4168



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



11.8471, 17.6692, 15.8831



19.0471, 30.2390, 25.2077



11.7370, 15.0000, 23.3965



4.3881, 4.8636, 5.2150



9.3152, 15.9726, 11.2984



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.7299, 7.6499, 7.8804



18.8425, 10.9383, 9.8965



11.6469, 8.6711, 4.1922



4.3816, 4.3658, 4.8141



9.2443, 4.7174, 2.6105



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.8466, 17.6685, 15.8827 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 11.8466, 17.6685, 15.8827 looks on a black 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

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

XYZ 11.8466, 17.6685, 15.8827

Background



This preview shows how black text looks on a background with the XYZ color 11.8466, 17.6685, 15.8827.



This preview shows how white text looks on a background with the XYZ color 11.8466, 17.6685,

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

11.8466, 17.6685, 15.8827

Protanopia

16.4291, 17.4914, 13.8195

Deuteranopia

17.7069, 17.4169, 16.6159



Tritanopia

13.8914, 17.7234, 25.9814

Trichromacy



Original Color

11.8466, 17.6685, 15.8827

Protanomaly

13.9615, 17.0816, 14.6178

Deuteranomaly

14.6175, 17.0219, 16.4250

Tritanomaly

12.9724, 17.5335, 21.7694

Monochromacy



Original Color

11.8466, 17.6685, 15.8827

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.0095, 14.6743, 15.0314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8466, 17.6685, 15.8827 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(51, 130, 104)` looks like.

```
.text, #text, p{  
    color:rgb(51, 130, 104)  
}
```

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(51, 130, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 130, 104) }
```

Border

The CSS property to change the border of an element to XYZ 11.8466, 17.6685, 15.8827 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(51, 130, 104) }
```


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

```
.border{ border-color:rgb(51, 130, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 130, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 130, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 130, 104);  
box-shadow:4px 4px 4px 4px rgb(51, 130,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8466, 17.6685, 15.8827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 130, 104) }
```

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

```
.background{ background-color: rgb(51, 130,  
104) }
```

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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