

Converting Colors

XYZ(11.8635, 18.6591, 17.3335)

Have a look what the booklet for
XYZ(11.8635, 18.6591, 17.3335)
contains.

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Color

**XYZ(11.8763, 18.6651,
17.4448)**

Conversions

Conversions Part 1

Format	Color
Hex	1B876D
RGB	27, 135, 109
RGB Percent	11%, 53%, 43%
CMY	0.8941, 0.4706, 0.5725
CMYK	0.80, 0.00, 0.19, 0.47
HSL	166°, 67%, 32%
HSV	166°, 80%, 53%
XYZ	11.8763, 18.6651, 17.4448
YIQ	99.7440, -56.0220, -30.9820

Conversions

Conversions Part 2

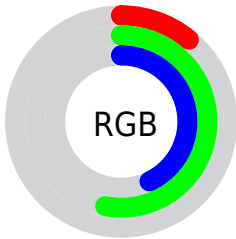
Format	Color
R_{YB}	27, 88, 135
Decimal	1804141
CIE _{Lab}	50.29, -35.78, 5.67
CIE _{LCh}	50, 36.225, 170.990
Yxy	18.6651, 0.2475, 0.3890
Android (android.graphics.Color)	4279994221 (0xFF1B876D)
YUV	99.7440, 4.5632, -63.7965
Hunter-Lab	43.2031, -26.5368, 6.3017

Details

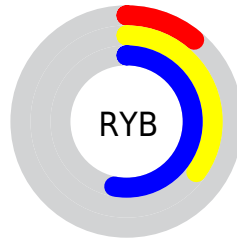
The XYZ color **11.8763, 18.6651, 17.4448** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.0269, 6.1923, 3.9830**, and the grayscale version is **12.0476, 12.6750, 13.8031**.

A 20% lighter version of the original color is **28.8571, 41.1574, 39.6809**, and **4.0398, 6.6884, 5.6355** is the 20% darker color. If you saturate the color by 10%, you get **11.4264, 18.4535, 16.5275**, and if you desaturate by 10%, it is **12.4978, 18.9654, 18.4047**.

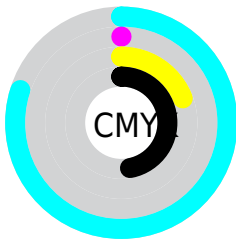
Distribution



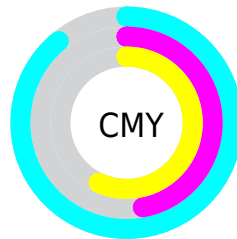
- Red (11%)
- Green (53%)
- Blue (43%)



- Red (11%)
- Yellow (35%)
- Blue (53%)



- Cyan (80%)
- Magenta (0%)
- Yellow (19%)
- Black (47%)



- Cyan (89%)
- Magenta (47%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8763, 18.6651, 17.4448 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 11.8763, 18.6651, 17.4448 by changing the saturation by 10% instead.

■ 11.8763, 18.6651,
17.4448

■ 11.8763, 18.6651,
17.4448

197.3713,
244.5936, 249.8529

■ 6.7311, 11.4285,
10.3868

■ 28.8884, 41.1674,
39.8901

■ 3.3393, 6.3559,
5.5472

■ 41.4861, 57.2020,
56.1144

■ 1.3356, 3.0626,
2.5075

■ 57.2986, 76.9380,
76.2313

■ 0.2097, 1.1645,
0.8441

■ 76.6913, 100.7598,
100.6593

■ 0.0000, 0.0324,
0.0000

■ 100.0295,
129.0519, 129.8169

■ 0.0000, 0.0000,
0.0000

■ 127.6787,

162.1987, 164.1227

160.0042,
200.5844, 203.9952

■ 11.8763, 18.6651,
17.4448

■ 11.8763, 18.6651,
17.4448

■ 11.4264, 18.4535,
16.5275

■ 12.4978, 18.9654,
18.4047

■ 11.0875, 18.2979,
15.6484

■ 13.3094, 19.3624,
19.4073

■ 11.0874, 18.2978,
15.6481

■ 14.3288, 19.8658,
20.4541

■ 15.5712, 20.4834,
21.5461

■ 17.0504, 21.2223,
22.6844

■ 18.7790, 22.0890,
23.8699

■ 20.7687, 23.0895,
25.1035

■ 23.0306, 24.2295,
26.3859

■ 25.5749, 25.5143,
27.7180

Harmonies

Analogous

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



12.9973, 18.6651, 10.4252



11.8763, 18.6651, 17.4448



12.1574, 18.6651, 28.0605

Triad

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



11.8763, 18.6651, 17.4448



20.2689, 18.6651, 44.2290



22.3355, 18.6651, 8.7024

Complementary

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



11.8763, 18.6651, 17.4448



11.0269, 6.1923, 3.9830

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.



24.8150, 18.6651, 14.1574



11.8763, 18.6651, 17.4448



23.5168, 18.6651, 35.0740

Square

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



11.8763, 18.6651, 17.4448



16.7049, 18.6651, 46.0053



25.2737, 18.6651, 23.5018



18.8183, 18.6651, 6.5890

Rectangle

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



11.8763, 18.6651, 17.4448



13.1196, 18.6651, 35.8154



25.2737, 18.6651, 23.5018



23.3364, 18.6651, 10.1007

Sweetspot

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



11.8768, 18.6658, 17.4452



32.1659, 38.8218, 41.7703



10.3838, 18.1921, 4.0014



7.2287, 8.8802, 9.5204



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



11.8768, 18.6658, 17.4452



19.9968, 32.8337, 28.3099



10.1884, 12.7082, 24.8385



4.7550, 5.2602, 5.7209



10.2290, 16.8744, 14.4571



0.0383, 0.0596, 0.0651

Inverse Universe

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



11.0269, 6.1923, 3.9830



18.4970, 9.5880, 3.6403



11.5093, 7.8690, 1.9495



4.7152, 4.7057, 5.1124



9.4650, 4.8504, 1.7552



0.0353, 0.0178, 0.0192

Previews

White Background



This preview shows how the XYZ color 11.8763, 18.6651, 17.4448 looks on a white 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

Black Background



This preview shows how the XYZ color 11.8763, 18.6651, 17.4448 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 11.8763, 18.6651, 17.4448

Background



This preview shows how black text looks on a background with the XYZ color 11.8763, 18.6651, 17.4448.



This preview shows how white text looks on a background with the XYZ color 11.8763, 18.6651,

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

11.8763, 18.6651, 17.4448

Protanopia

17.4032, 18.4932, 14.9642

Deuteranopia

18.7842, 18.4403, 18.1921



Tritanopia

14.0963, 18.7600, 28.0774

Trichromacy



Original Color

11.8763, 18.6651, 17.4448

Protanomaly

13.9521, 17.7906, 15.7953

Deuteranomaly

14.5003, 17.4686, 17.9368

Tritanomaly

13.0888, 18.5386, 23.6573

Monochromacy



Original Color

11.8763, 18.6651, 17.4448

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.1010, 14.2060, 14.9889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8763, 18.6651, 17.4448 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(27, 135, 109)` looks like.

```
.text, #text, p{  
    color:rgb(27, 135, 109)  
}
```

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(27, 135, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 135, 109) }
```

Border

The CSS property to change the border of an element to XYZ 11.8763, 18.6651, 17.4448 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(27, 135, 109) }
```


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

```
.border{ border-color:rgb(27, 135, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 135, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 135, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 135, 109);  
box-shadow:4px 4px 4px 4px rgb(27, 135,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8763, 18.6651, 17.4448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 135, 109) }
```

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

```
.background{ background-color: rgb(27, 135,  
109) }
```

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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