

Converting Colors

XYZ(10.8500, 17.6726, 16.0326)

Have a look what the booklet for
XYZ(10.8500, 17.6726, 16.0326)
contains.

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Color

**XYZ(10.8862, 17.7745,
15.9538)**

Conversions

Conversions Part 1

Format	Color
Hex	008568
RGB	0, 133, 104
RGB Percent	0%, 52%, 41%
CMY	1.0000, 0.4784, 0.5922
CMYK	1.00, 0.00, 0.22, 0.48
HSL	167°, 100%, 26%
HSV	167°, 100%, 52%
XYZ	10.8862, 17.7745, 15.9538
YIQ	89.9270, -69.9590, -37.2150

Conversions

Conversions Part 2

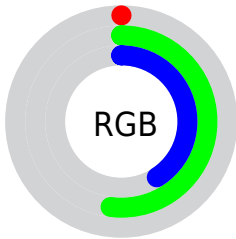
Format	Color
RYB	0, 75, 133
Decimal	34152
CIELab	49.22, -38.31, 7.01
CIElCh	49, 38.945, 169.626
Yxy	17.7745, 0.2440, 0.3984
Android (android.graphics.Color)	4278224232 (0xFF008568)
YUV	89.9270, 6.9380, -78.8660
Hunter-Lab	42.1598, -27.6887, 7.0758

Details

The XYZ color **10.8862, 17.7745, 15.9538** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.8952, 5.0757, 1.6212**, and the grayscale version is **9.6989, 10.2040, 11.1121**.

A 20% lighter version of the original color is **27.0801, 39.6565, 37.2376**, and **3.7558, 6.3300, 4.8948** is the 20% darker color. If you saturate the color by 10%, you get **10.8865, 17.7751, 15.9536**, and if you desaturate by 10%, it is **11.2071, 17.9230, 16.7516**.

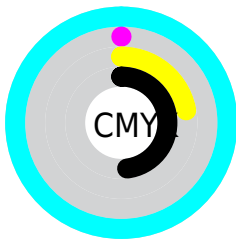
Distribution



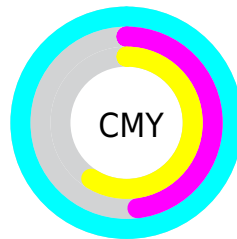
- Red (0%)
- Green (52%)
- Blue (41%)



- Red (0%)
- Yellow (29%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (48%)



- Cyan (100%)
- Magenta (48%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8862, 17.7745, 15.9538 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 10.8862, 17.7745, 15.9538 by changing the saturation by 10% instead.

■ 10.8862, 17.7745,
15.9538

■ 10.8862, 17.7745,
15.9538

190.8096,
239.5969, 240.9053

■ 6.0571, 10.7882,
9.3375

■ 27.0844, 39.6527,
37.2837

■ 2.9208, 5.9246,
4.8621

■ 39.1841, 55.3134,
52.8343

■ 1.1120, 2.7993,
2.1093

■ 54.4381, 74.6344,
72.2000

■ 0.0351, 1.0279,
0.6213

■ 73.2118, 98.0000,
95.7995

■ 0.0000, 0.0000,
0.0000

■ 95.8704, 125.7947,
124.0512

■ 122.7793,

158.4028, 157.3738

154.3039,
196.2087, 196.1856

■ 10.8862, 17.7745,
15.9538

■ 10.8862, 17.7745,
15.9538

■ 10.8865, 17.7751,
15.9536

■ 11.2071, 17.9230,
16.7516

■ 11.6333, 18.1248,
17.5807

■ 12.2233, 18.4105,
18.4444

■ 12.9964, 18.7899,
19.3439

■ 13.9691, 19.2717,
20.2802

■ 15.1561, 19.8633,
21.2542

■ 16.5706, 20.5715,
22.2668

■ 18.2247, 21.4027,
23.3189

■ 20.1298, 22.3626,
24.4111

Harmonies

Analogous

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



12.0899, 17.7745, 9.0318



10.8862, 17.7745, 15.9538



11.1064, 17.7745, 26.9234

Triad

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



10.8862, 17.7745, 15.9538



19.3638, 17.7745, 45.1428



21.8625, 17.7745, 7.7209

Complementary

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



10.8862, 17.7745, 15.9538



9.8952, 5.0757, 1.6212

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.



24.4077, 17.7745, 13.3547



10.8862, 17.7745, 15.9538



22.8274, 17.7745, 35.5191

Square

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



10.8862, 17.7745, 15.9538



15.6612, 17.7745, 46.6356



24.7842, 17.7745, 23.2046



18.1902, 17.7745, 5.5472

Rectangle

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



10.8862, 17.7745, 15.9538



12.0429, 17.7745, 35.2189



24.7842, 17.7745, 23.2046



22.8994, 17.7745, 9.1532

Sweetspot

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



10.8867, 17.7752, 15.9542



29.4855, 36.7439, 39.7469



8.9542, 17.0676, 2.8227



6.4304, 8.1716, 8.8072



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



10.8867, 17.7752, 15.9542



19.4351, 31.8067, 28.2542



8.5584, 10.3426, 23.7363



4.7593, 5.2620, 5.7437



10.3723, 16.9318, 15.2116



0.0386, 0.0597, 0.0668

Inverse Universe

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



9.8952, 5.0757, 1.6212



17.6690, 9.0686, 2.6370



10.2883, 6.2169, 0.6580



4.7111, 4.7041, 5.0909



9.4275, 4.8354, 1.5577



0.0350, 0.0177, 0.0175

Previews

White Background



This preview shows how the XYZ color 10.8862, 17.7745, 15.9538 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 10.8862, 17.7745, 15.9538 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 10.8862, 17.7745, 15.9538

Background



This preview shows how black text looks on a background with the XYZ color 10.8862, 17.7745, 15.9538.



This preview shows how white text looks on a background with the XYZ color 10.8862, 17.7745,

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

10.8862, 17.7745, 15.9538

Protanopia

16.5251, 17.5463, 13.5821

Deuteranopia

17.9146, 17.5178, 16.9051



Tritanopia

13.2938, 17.7738, 27.1561

Trichromacy



Original Color

10.8862, 17.7745, 15.9538

Protanomaly

12.3536, 16.4396, 14.3264

Deuteranomaly

12.9376, 16.3335, 16.3807

Tritanomaly

12.1745, 17.6912, 22.5117

Monochromacy



Original Color

10.8862, 17.7745, 15.9538

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

8.9069, 12.0041, 12.6741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8862, 17.7745, 15.9538 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(0, 133, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 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(0, 133, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 104) }
```

Border

The CSS property to change the border of an element to XYZ 10.8862, 17.7745, 15.9538 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(0, 133, 104) }
```


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

```
.border{ border-color:rgb(0, 133, 104) }
```

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

Here you see how a box with a 4 pixel rgb(0, 133, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8862, 17.7745, 15.9538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 104) }
```

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

```
.background{ background-color: rgb(0, 133,  
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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