

Converting Colors

XYZ(11.5685, 17.0339, 20.3423)

Have a look what the booklet for
XYZ(11.5685, 17.0339, 20.3423)
contains.

XYZ(11.5882, 17.0413, 20.4478)	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(11.5882, 17.0413,
20.4478)**

Conversions

Conversions Part 1

Format	Color
Hex	1C8078
RGB	28, 128, 120
RGB Percent	11%, 50%, 47%
CMY	0.8902, 0.4980, 0.5294
CMYK	0.78, 0.00, 0.06, 0.50
HSL	175°, 64%, 31%
HSV	175°, 78%, 50%
XYZ	11.5882, 17.0413, 20.4478
YIQ	97.1880, -57.0320, -23.6880

Conversions

Conversions Part 2

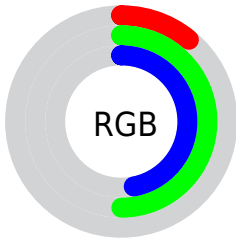
Format	Color
R_{YB}	28, 80, 128
Decimal	1867896
CIE _{Lab}	48.31, -29.28, -3.65
CIE _{LCh}	48, 29.503, 187.104
Yxy	17.0413, 0.2361, 0.3472
Android (android.graphics.Color)	4280057976 (0xFF1C8078)
YUV	97.1880, 11.2463, -60.6779
Hunter-Lab	41.2811, -22.1344, -0.4714

Details

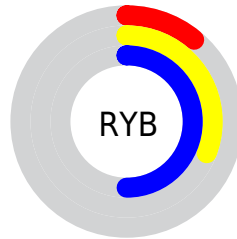
The XYZ color **11.5882, 17.0413, 20.4478** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.6363, 5.5475, 2.2325**, and the grayscale version is **11.3923, 11.9856, 13.0523**.

A 20% lighter version of the original color is **28.2847, 38.2505, 44.9220**, and **3.8941, 5.9167, 7.0677** is the 20% darker color. If you saturate the color by 10%, you get **11.2482, 16.8735, 20.1095**, and if you desaturate by 10%, it is **12.0789, 17.2874, 20.7974**.

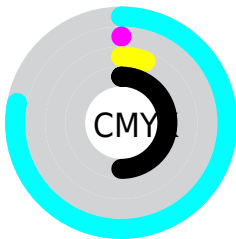
Distribution



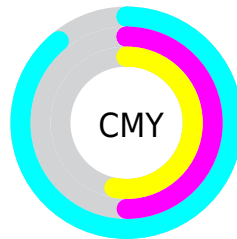
- Red (11%)
- Green (50%)
- Blue (47%)



- Red (11%)
- Yellow (31%)
- Blue (50%)



- Cyan (78%)
- Magenta (0%)
- Yellow (6%)
- Black (50%)



- Cyan (89%)
- Magenta (50%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5882, 17.0413, 20.4478 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 11.5882, 17.0413, 20.4478 by changing the saturation by 10% instead.

■ 11.5882, 17.0413,
20.4478

■ 11.5882, 17.0413,
20.4478

195.4858,
235.4103, 267.0131

■ 6.5341, 10.2639,
12.5337

■ 28.3663, 38.3968,
45.0355

■ 3.2162, 5.5743,
6.9813

■ 40.8209, 53.7437,
62.5461

■ 1.2691, 2.5880,
3.3721

■ 56.4732, 72.7159,
84.0927

■ 0.1599, 0.9206,
1.2876

■ 75.6884, 95.6978,
110.0937

■ 0.0000, 0.0000,
0.0516

■ 98.8319, 123.0738,
140.9677

■ 0.0000, 0.0000,
0.0000

■ 126.2691,

155.2283, 177.1332

158.3653,
192.5456, 219.0088

■ 11.5882, 17.0413,
20.4478

■ 11.5882, 17.0413,
20.4478

■ 11.2482, 16.8735,
20.1095

■ 12.0789, 17.2874,
20.7974

■ 11.0167, 16.7613,
19.7793

■ 12.7356, 17.6187,
21.1579

■ 10.9752, 16.7412,
19.7178

■ 13.5734, 18.0432,
21.5303

■ 14.6053, 18.5677,
21.9153

■ 15.8432, 19.1983,
22.3135

■ 17.2978, 19.9406,
22.7254

■ 18.9792, 20.7997,
23.1514

■ 20.8970, 21.7806,
23.5920

■ 23.0600, 22.8879,
24.0476

Harmonies

Analogous

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



11.8849, 17.0413, 13.3686



11.5882, 17.0413, 20.4478



12.4128, 17.0413, 29.0012

Triad

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



11.5882, 17.0413, 20.4478



19.5217, 17.0413, 33.0517



18.2938, 17.0413, 7.9819

Complementary

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



11.5882, 17.0413, 20.4478



9.6363, 5.5475, 2.2325

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.



20.6819, 17.0413, 10.9774



11.5882, 17.0413, 20.4478



21.4438, 17.0413, 24.9346

Square

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



11.5882, 17.0413, 20.4478



16.8453, 17.0413, 37.4749



21.8903, 17.0413, 16.7829



15.5660, 17.0413, 7.3966

Rectangle

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



11.5882, 17.0413, 20.4478



13.5477, 17.0413, 33.9769



21.8903, 17.0413, 16.7829



19.1715, 17.0413, 8.6902

Sweetspot

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



11.5887, 17.0419, 20.4482



29.0209, 34.3756, 39.6150



8.6685, 15.9040, 3.7118



6.6143, 7.9563, 9.2227



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.



11.5887, 17.0419, 20.4482



19.4885, 29.5551, 34.9373



7.7302, 8.5150, 21.6590



4.4321, 4.8811, 5.4464



10.8826, 16.5996, 19.5521



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.6363, 5.5475, 2.2325



15.9303, 8.3554, 1.5532



11.2817, 9.0124, 2.2439



4.3407, 4.3494, 4.5984



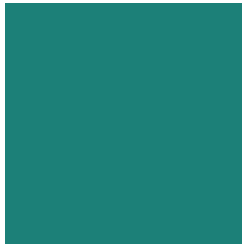
8.8829, 4.5729, 0.7074



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.5882, 17.0413, 20.4478 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 11.5882, 17.0413, 20.4478 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 11.5882, 17.0413, 20.4478

Background



This preview shows how black text looks on a background with the XYZ color 11.5882, 17.0413, 20.4478.



This preview shows how white text looks on a background with the XYZ color 11.5882, 17.0413,

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

11.5882, 17.0413, 20.4478

Protanopia

16.2781, 16.9864, 17.7500

Deuteranopia

17.2077, 16.8891, 21.4218



Tritanopia

12.7415, 17.1306, 25.9275

Trichromacy



Original Color

11.5882, 17.0413, 20.4478

Protanomaly

13.4376, 16.3628, 18.6697

Deuteranomaly

13.8669, 16.1789, 21.1309

Tritanomaly

12.3118, 17.1478, 23.7800

Monochromacy



Original Color

11.5882, 17.0413, 20.4478

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.5849, 13.1228, 15.3397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5882, 17.0413, 20.4478 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(28, 128, 120)` looks like.

```
.text, #text, p{  
    color:rgb(28, 128, 120)  
}
```

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(28, 128, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 128, 120) }
```

Border

The CSS property to change the border of an element to XYZ 11.5882, 17.0413, 20.4478 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(28, 128, 120) }
```


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

```
.border{ border-color:rgb(28, 128, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 128, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 128, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 128, 120);  
box-shadow:4px 4px 4px 4px rgb(28, 128,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5882, 17.0413, 20.4478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 128, 120) }
```

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

```
.background{ background-color: rgb(28, 128,  
120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor