

Converting Colors

XYZ(11.8581, 18.1101, 19.7929)

Have a look what the booklet for
XYZ(11.8581, 18.1101, 19.7929)
contains.

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Color

**XYZ(11.8869, 18.2081,
19.7176)**

Conversions

Conversions Part 1

Format	Color
Hex	148575
RGB	20, 133, 117
RGB Percent	8%, 52%, 46%
CMY	0.9215, 0.4784, 0.5412
CMYK	0.85, 0.00, 0.12, 0.48
HSL	172°, 74%, 30%
HSV	172°, 85%, 52%
XYZ	11.8869, 18.2081, 19.7176
YIQ	97.3890, -62.2120, -28.9320

Conversions

Conversions Part 2

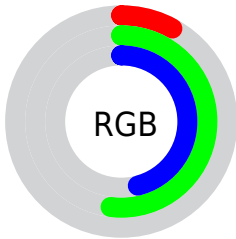
Format	Color
R_{YB}	20, 81, 133
Decimal	1344885
CIE _{Lab}	49.75, -33.35, 0.21
CIE _{LCh}	50, 33.353, 179.646
Yxy	18.2081, 0.2386, 0.3655
Android (android.graphics.Color)	4279534965 (0xFF148575)
YUV	97.3890, 9.6682, -67.8702
Hunter-Lab	42.6710, -24.9492, 2.4727

Details

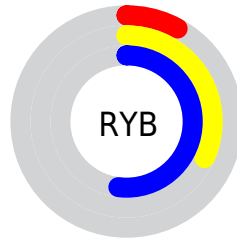
The XYZ color **11.8869, 18.2081, 19.7176** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.2421, 5.6148, 2.2138**, and the grayscale version is **11.4468, 12.0429, 13.1148**.

A 20% lighter version of the original color is **28.9563, 40.4799, 43.8234**, and **4.0915, 6.4643, 6.6623** is the 20% darker color. If you saturate the color by 10%, you get **11.5731, 18.0594, 19.1310**, and if you desaturate by 10%, it is **12.3478, 18.4332, 20.3236**.

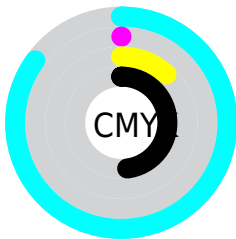
Distribution



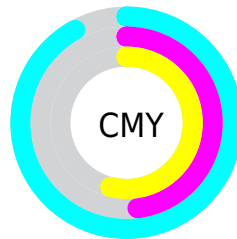
- Red (8%)
- Green (52%)
- Blue (46%)



- Red (8%)
- Yellow (32%)
- Blue (52%)



- Cyan (85%)
- Magenta (0%)
- Yellow (12%)
- Black (48%)



- Cyan (92%)
- Magenta (48%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8869, 18.2081, 19.7176 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 11.8869, 18.2081, 19.7176 by changing the saturation by 10% instead.

■ 11.8869, 18.2081,
19.7176

■ 11.8869, 18.2081,
19.7176

197.4403,
242.0414, 262.9357

■ 6.7384, 11.0995,
12.0079

■ 28.9076, 40.3916,
43.7959

■ 3.3439, 6.1338,
6.6265

■ 41.5105, 56.2353,
61.0017

■ 1.3381, 2.9266,
3.1547

■ 57.3288, 75.7595,
82.2098

■ 0.2115, 1.0935,
1.1742

■ 76.7280, 99.3485,
107.8389

■ 0.0000, 0.0000,
0.0000

■ 100.0734,
127.3868, 138.3075

■ 127.7304,

160.2588, 174.0341

160.0642,
198.3489, 215.4373

■ 11.8869, 18.2081,
19.7176

■ 11.8869, 18.2081,
19.7176

■ 11.5731, 18.0594,
19.1310

■ 12.3478, 18.4332,
20.3236

■ 11.4346, 17.9943,
18.8402

■ 12.9791, 18.7455,
20.9488

■ 13.7992, 19.1548,
21.5946

■ 14.8234, 19.6691,
22.2618

■ 16.0657, 20.2955,
22.9511

■ 17.5386, 21.0406,
23.6632

■ 19.2538, 21.9103,
24.3986

■ 21.2223, 22.9103,
25.1580

■ 23.4541, 24.0459,
25.9419

Harmonies

Analogous

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



12.5509, 18.2081, 12.2319



11.8869, 18.2081, 19.7176



12.5204, 18.2081, 29.8024

Triad

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



11.8869, 18.2081, 19.7176



20.5080, 18.2081, 39.2550



20.5814, 18.2081, 8.2343

Complementary

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



11.8869, 18.2081, 19.7176



10.2421, 5.6148, 2.2138

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.



23.1785, 18.2081, 12.3682



11.8869, 18.2081, 19.7176



23.1326, 18.2081, 30.0488

Square

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



11.8869, 18.2081, 19.7176



17.2685, 18.2081, 42.9784



24.1638, 18.2081, 19.9338



17.3440, 18.2081, 6.9699

Rectangle

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



11.8869, 18.2081, 19.7176



13.6436, 18.2081, 36.3749



24.1638, 18.2081, 19.9338



21.5719, 18.2081, 9.2564

Sweetspot

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



11.8874, 18.2088, 19.7180



31.2332, 37.5903, 42.2954



9.2756, 17.2187, 3.4969



6.8514, 8.3750, 9.4424



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.



11.8874, 18.2088, 19.7180



20.4328, 32.2057, 33.5082



8.4768, 9.7511, 23.6264



4.7740, 5.2678, 5.8212



10.8935, 17.1403, 17.9567



0.0397, 0.0602, 0.0724

Inverse Universe

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



10.2421, 5.6148, 2.2138



17.4929, 8.9982, 1.7096



11.3923, 8.2227, 1.6490



4.6975, 4.6987, 5.0192



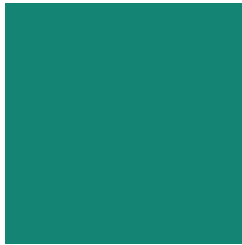
9.3262, 4.7948, 1.0242



0.0339, 0.0172, 0.0119

Previews

White Background



This preview shows how the XYZ color 11.8869, 18.2081, 19.7176 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 11.8869, 18.2081, 19.7176 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 11.8869, 18.2081, 19.7176

Background



This preview shows how black text looks on a background with the XYZ color 11.8869, 18.2081, 19.7176.

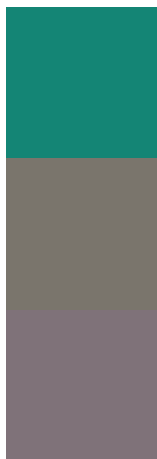


This preview shows how white text looks on a background with the XYZ color 11.8869, 18.2081,

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

11.8869, 18.2081, 19.7176

Protanopia

17.0941, 17.9429, 16.7497

Deuteranopia

18.2209, 17.9271, 20.5891



Tritanopia

13.5913, 18.3098, 27.6288

Trichromacy



Original Color

11.8869, 18.2081, 19.7176

Protanomaly

13.6985, 17.2449, 17.6455

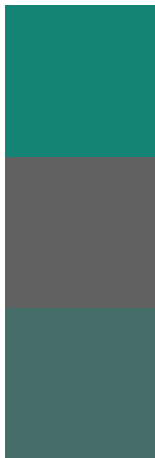
Deuteranomaly

14.2520, 17.1055, 20.3198

Tritanomaly

12.9084, 18.2219, 24.6666

Monochromacy



Original Color

11.8869, 18.2081, 19.7176

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.5289, 13.4165, 15.1314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8869, 18.2081, 19.7176 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(20, 133, 117)` looks like.

```
.text, #text, p{  
    color:rgb(20, 133, 117)  
}
```

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(20, 133, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 133, 117) }
```

Border

The CSS property to change the border of an element to XYZ 11.8869, 18.2081, 19.7176 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(20, 133, 117) }
```


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

```
.border{ border-color:rgb(20, 133, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 133, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 133, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 133, 117);  
box-shadow:4px 4px 4px 4px rgb(20, 133,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8869, 18.2081, 19.7176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 133, 117) }
```

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

```
.background{ background-color: rgb(20, 133,  
117) }
```

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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