

Converting Colors

XYZ(5.4383, 15.5280, 19.5129)

Have a look what the booklet for
XYZ(5.4383, 15.5280, 19.5129)
contains.

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Color

**XYZ(12.0150, 18.8927,
19.8430)**

Conversions

Conversions Part 1

Format	Color
Hex	008875
RGB	0, 136, 117
RGB Percent	0%, 53%, 46%
CMY	1.0000, 0.4667, 0.5412
CMYK	1.00, 0.00, 0.14, 0.47
HSL	172°, 100%, 27%
HSV	172°, 100%, 53%
XYZ	12.0150, 18.8927, 19.8430
YIQ	93.1700, -74.9570, -34.7410

Conversions

Conversions Part 2

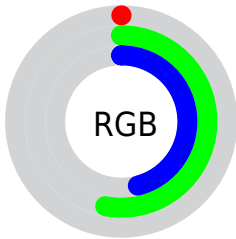
Format	Color
RYB	0, 73, 136
Decimal	34933
CIELab	50.56, -35.97, 1.37
CIELCh	51, 35.992, 177.819
Yxy	18.8927, 0.2367, 0.3723
Android (android.graphics.Color)	4278225013 (0xFF008875)
YUV	93.1700, 11.7482, -81.7101
Hunter-Lab	43.4657, -26.7232, 3.3589

Details

The XYZ color **12.0150, 18.8927, 19.8430** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.2714, 5.2817, 1.0946**, and the grayscale version is **10.4309, 10.9741, 11.9508**.

A 20% lighter version of the original color is **29.1422, 41.5305, 44.0163**, and **4.3227, 6.9267, 6.7394** is the 20% darker color. If you saturate the color by 10%, you get **12.0154, 18.8933, 19.8431**, and if you desaturate by 10%, it is **12.3034, 19.0288, 20.4462**.

Distribution



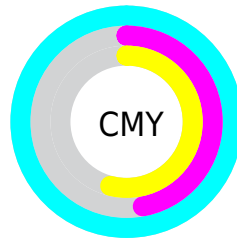
- Red (0%)
- Green (53%)
- Blue (46%)



- Red (0%)
- Yellow (29%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.0150, 18.8927, 19.8430 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 12.0150, 18.8927, 19.8430 by changing the saturation by 10% instead.


 12.0150, 18.8927,
19.8430


 12.0150, 18.8927,
19.8430


198.2725,
245.8558, 263.6400


 6.8262, 11.5928,
12.0980


 29.1390, 41.5527,
44.0093


 3.3990, 6.4670,
6.6871


 41.8050, 57.6816,
61.2677


 1.3681, 3.1311,
3.1917

 57.6940, 77.5222,
82.5344

 0.2333, 1.2006,
1.1934

 77.1714, 101.4590,
108.2278

 0.0000, 0.0622,
0.0000

 100.6026,
129.8764, 138.7665

 0.0000, 0.0000,
0.0000

 128.3529,

163.1587, 174.5691

160.7878,
201.6904, 216.0541

■ 12.0150, 18.8927,
19.8430

■ 12.0150, 18.8927,
19.8430

■ 12.0154, 18.8933,
19.8431

■ 12.3034, 19.0288,
20.4462

■ 12.7010, 19.2205,
21.0659

■ 13.2678, 19.4991,
21.7056

■ 14.0241, 19.8751,
22.3661

■ 14.9874, 20.3576,
23.0485

■ 16.1731, 20.9545,
23.7535

■ 17.5952, 21.6730,
24.4817

■ 19.2665, 22.5196,
25.2340

■ 21.1990, 23.5007,
26.0108

Harmonies

Analogous

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



12.8230, 18.8927, 11.8887



12.0150, 18.8927, 19.8430



12.6186, 18.8927, 30.9896

Triad

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



12.0150, 18.8927, 19.8430



21.2990, 18.8927, 42.8756



21.8021, 18.8927, 8.1534

Complementary

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



12.0150, 18.8927, 19.8430



10.2714, 5.2817, 1.0946

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.



24.6216, 18.8927, 12.7962



12.0150, 18.8927, 19.8430



24.3055, 18.8927, 32.6969

Square

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



12.0150, 18.8927, 19.8430



17.7009, 18.8927, 46.6058



25.5920, 18.8927, 21.3165



18.2154, 18.8927, 6.6585

Rectangle

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



12.0150, 18.8927, 19.8430



13.7906, 18.8927, 38.5044



25.5920, 18.8927, 21.3165



22.8878, 18.8927, 9.3037

Sweetspot

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



12.0155, 18.8934, 19.8434



30.8291, 38.1028, 43.0569



9.1014, 17.7620, 2.9489



6.9176, 8.7119, 9.8615



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.



12.0155, 18.8934, 19.8434



21.1312, 33.2773, 34.7437



7.9672, 8.8237, 24.5767



5.1433, 5.6768, 6.2756



11.3743, 17.8823, 18.7935



0.0794, 0.1203, 0.1450

Inverse Universe

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



10.2714, 5.2817, 1.0946



18.0642, 9.2927, 1.7379



11.1947, 7.3163, 0.8224



5.0595, 5.0592, 5.4018



9.7234, 4.9995, 1.0476



0.0677, 0.0345, 0.0235

Previews

White Background



This preview shows how the XYZ color 12.0150, 18.8927, 19.8430 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 12.0150, 18.8927, 19.8430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

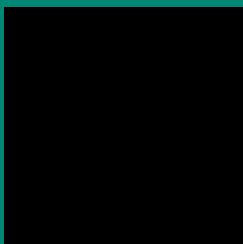
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 12.0150, 18.8927, 19.8430

Background



This preview shows how black text looks on a background with the XYZ color 12.0150, 18.8927, 19.8430.

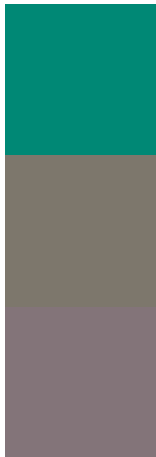


This preview shows how white text looks on a background with the XYZ color 12.0150, 18.8927,

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

12.0150, 18.8927, 19.8430

Protanopia

17.7610, 18.6363, 16.8484

Deuteranopia

19.0567, 18.6966, 20.6936



Tritanopia

13.9721, 18.8790, 28.8942

Trichromacy



Original Color

12.0150, 18.8927, 19.8430

Protanomaly

13.5111, 17.5204, 17.7086

Deuteranomaly

14.0404, 17.3610, 20.3803

Tritanomaly

13.0673, 18.6905, 25.4732

Monochromacy



Original Color

12.0150, 18.8927, 19.8430

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.6705, 12.8264, 14.5364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0150, 18.8927, 19.8430 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, 136, 117)` looks like.

```
.text, #text, p{  
  color:rgb(0, 136, 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(0, 136, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 117) }
```

Border

The CSS property to change the border of an element to XYZ 12.0150, 18.8927, 19.8430 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, 136, 117) }
```


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

```
.border{ border-color:rgb(0, 136, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 136, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0150, 18.8927, 19.8430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 117) }
```

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

```
.background{ background-color: rgb(0, 136,  
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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