

Converting Colors

XYZ(3.5937, 13.9770, 19.3603)

Have a look what the booklet for
XYZ(3.5937, 13.9770, 19.3603)
contains.

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Color

**XYZ(11.5984, 18.0594,
19.7041)**

Conversions

Conversions Part 1	
Format	Color
Hex	008575
RGB	0, 133, 117
RGB Percent	0%, 52%, 46%
CMY	0.9999, 0.4784, 0.5412
CMYK	1.00, 0.00, 0.12, 0.48
HSL	173°, 100%, 26%
HSV	173°, 100%, 52%
XYZ	11.5984, 18.0594, 19.7041
YIQ	91.4090, -74.1320, -33.1720

Conversions

Conversions Part 2

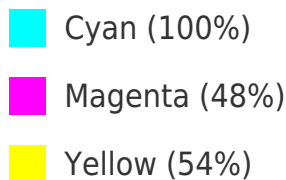
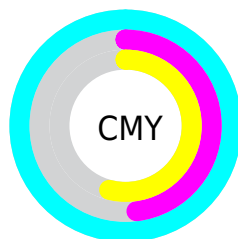
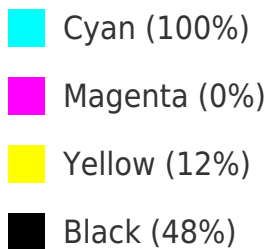
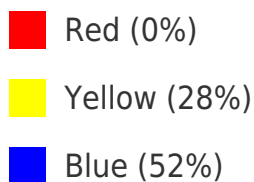
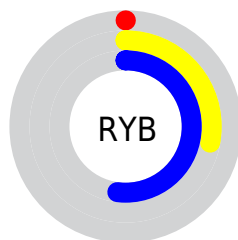
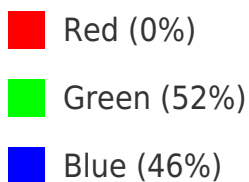
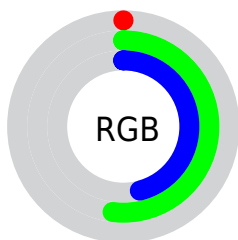
Format	Color
RYB	0, 71, 133
Decimal	34165
CIELab	49.57, -34.62, -0.08
CIELCh	50, 34.618, 180.128
Yxy	18.0594, 0.2350, 0.3659
Android (android.graphics.Color)	4278224245 (0xFF008575)
YUV	91.4090, 12.6164, -80.1657
Hunter-Lab	42.4964, -25.6512, 2.2567

Details

The XYZ color **11.5984, 18.0594, 19.7041** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.7670, 5.0245, 0.9458**, and the grayscale version is **10.0224, 10.5444, 11.4828**.

A 20% lighter version of the original color is **28.4114, 40.1991, 43.7979**, and **4.0915, 6.4643, 6.6623** is the 20% darker color. If you saturate the color by 10%, you get **11.5987, 18.0600, 19.7040**, and if you desaturate by 10%, it is **11.8643, 18.1859, 20.2124**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 11.5984, 18.0594, 19.7041 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 11.5984, 18.0594, 19.7041 by changing the saturation by 10% instead.


 11.5984, 18.0594,
19.7041


 11.5984, 18.0594,
19.7041


195.5529,
241.2056, 262.8597


 6.5411, 10.9926,
11.9982


 28.3848, 40.1385,
43.7730


 3.2206, 6.0619,
6.6199


 40.8446, 55.9197,
60.9730


 1.2714, 2.8828,
3.1507

 56.5025, 75.3744,
82.1748

 0.1617, 1.0708,
1.1721

 75.7241, 98.8871,
107.7970

 0.0000, 0.0000,
0.0000

 98.8745, 126.8422,
138.2580

 126.3192,

159.6240, 173.9765

158.4235,
197.6171, 215.3709

■ 11.5984, 18.0594,
19.7041

■ 11.5984, 18.0594,
19.7041

■ 11.5987, 18.0600,
19.7040

■ 11.8643, 18.1859,
20.2124

■ 12.2321, 18.3644,
20.7335

■ 12.7601, 18.6252,
21.2705

■ 13.4677, 18.9785,
21.8245

■ 14.3712, 19.4325,
22.3962

■ 15.4853, 19.9950,
22.9864

■ 16.8233, 20.6726,
23.5957

■ 18.3972, 21.4717,
24.2247

■ 20.2182, 22.3980,
24.8740

Harmonies

Analogous

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



12.2557, 18.0594, 11.9689



11.5984, 18.0594, 19.7041



12.2670, 18.0594, 30.1960

Triad

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



11.5984, 18.0594, 19.7041



20.5296, 18.0594, 39.7911



20.5020, 18.0594, 7.7905

Complementary

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



11.5984, 18.0594, 19.7041



9.7670, 5.0245, 0.9458

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.



23.2188, 18.0594, 11.9186



11.5984, 18.0594, 19.7041



23.2360, 18.0594, 30.1028

Square

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



11.5984, 18.0594, 19.7041



17.1790, 18.0594, 43.8245



24.2767, 18.0594, 19.6232



17.1508, 18.0594, 6.5663

Rectangle

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



11.5984, 18.0594, 19.7041



13.4305, 18.0594, 37.0415



24.2767, 18.0594, 19.6232



21.5344, 18.0594, 8.8026

Sweetspot

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



11.5989, 18.0601, 19.7045



29.9470, 36.9285, 42.1771



8.6326, 16.9018, 2.8078



6.5456, 8.2177, 9.4136



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.



11.5989, 18.0601, 19.7045



20.7319, 32.3254, 35.0835



7.4229, 8.0715, 23.3578



4.7781, 5.2695, 5.8429



11.0495, 17.2027, 18.7780



0.0400, 0.0603, 0.0739

Inverse Universe

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



9.7670, 5.0245, 0.9458



17.4563, 8.9835, 1.5168



10.7622, 7.1647, 0.8161



4.6937, 4.6972, 4.9993



9.3045, 4.7861, 0.9099



0.0336, 0.0171, 0.0103

Previews

White Background



This preview shows how the XYZ color 11.5984, 18.0594, 19.7041 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 11.5984, 18.0594, 19.7041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

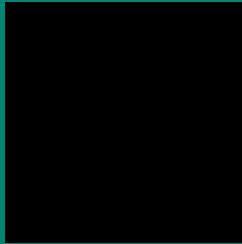
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.5984, 18.0594, 19.7041

Background



This preview shows how black text looks on a background with the XYZ color 11.5984, 18.0594, 19.7041.

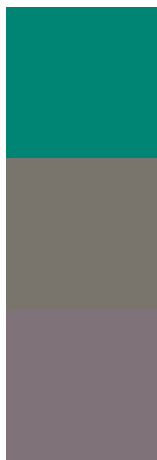


This preview shows how white text looks on a background with the XYZ color 11.5984, 18.0594,

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

11.5984, 18.0594, 19.7041

Protanopia

17.0941, 17.9429, 16.7497

Deuteranopia

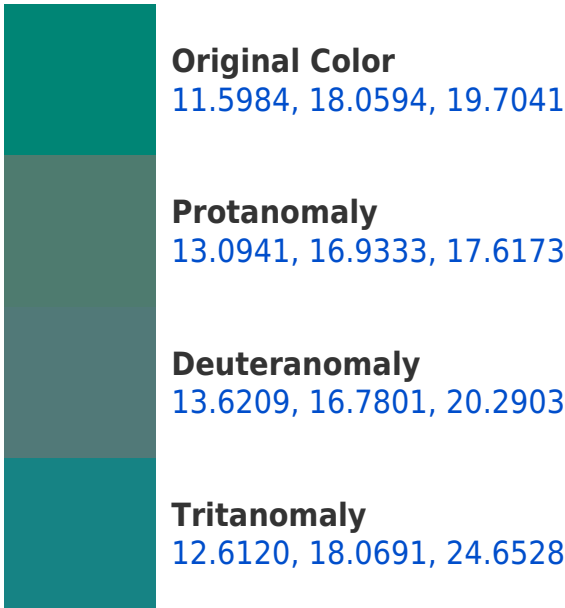
18.2209, 17.9271, 20.5891



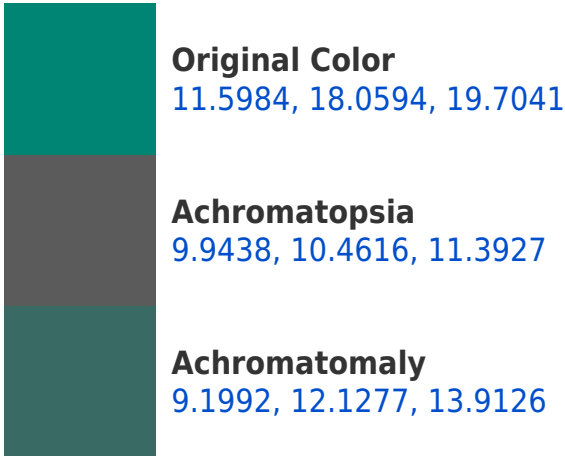
Tritanopia

13.4094, 18.2160, 27.6202

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5984, 18.0594, 19.7041 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 133, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 117) }
```

Border

The CSS property to change the border of an element to XYZ 11.5984, 18.0594, 19.7041 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, 117) }
```

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

```
.border{ border-color:rgb(0, 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(0, 133, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 117);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5984, 18.0594, 19.7041 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, 117) }
```

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

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