

Converting Colors

XYZ(12.9011, 18.4187, 29.8839)

Have a look what the booklet for
XYZ(12.9011, 18.4187, 29.8839)
contains.

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Color

**XYZ(13.5758, 18.8504,
30.1171)**

Conversions

Conversions Part 1

Format	Color
Hex	008592
RGB	0, 133, 146
RGB Percent	0%, 52%, 57%
CMY	0.9999, 0.4784, 0.4274
CMYK	1.00, 0.09, 0.00, 0.43
HSL	185°, 100%, 29%
HSV	185°, 100%, 57%
XYZ	13.5758, 18.8504, 30.1171
YIQ	94.7150, -83.4410, -24.1530

Conversions

Conversions Part 2

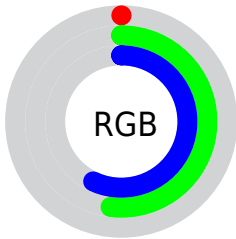
Format	Color
RYB	0, 70, 146
Decimal	34194
CIELab	50.51, -25.32, -15.64
CIELCh	51, 29.762, 211.692
Yxy	18.8504, 0.2171, 0.3014
Android (android.graphics.Color)	4278224274 (0xFF008592)
YUV	94.7150, 25.2835, -83.0651
Hunter-Lab	43.4170, -20.1658, -10.7358

Details

The XYZ color **13.5758, 18.8504, 30.1171** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.9984, 6.3994, 0.6033**, and the grayscale version is **10.7664, 11.3271, 12.3352**.

A 20% lighter version of the original color is **32.0334, 41.6892, 61.0021**, and **5.2046, 7.0310, 12.1491** is the 20% darker color. If you saturate the color by 10%, you get **13.5760, 18.8506, 30.1175**, and if you desaturate by 10%, it is **13.9461, 19.3075, 30.1862**.

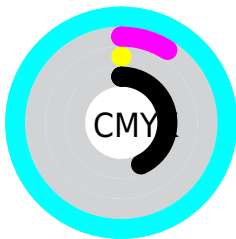
Distribution



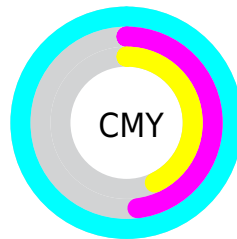
- Red (0%)
- Green (52%)
- Blue (57%)



- Red (0%)
- Yellow (27%)
- Blue (57%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (43%)





- Cyan (100%)
- Magenta (48%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.5758, 18.8504, 30.1171 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 13.5758, 18.8504, 30.1171 by changing the saturation by 10% instead.


 13.5758, 18.8504,
30.1171


 13.5758, 18.8504,
30.1171


208.1395,
245.6216, 316.6742


 7.9059, 11.5622,
19.6747


 31.9270, 41.4812,
60.9105


 4.0861, 6.4463,
11.9771


 45.3391, 57.5925,
82.0986


 1.7510, 3.1183,
6.6057

 62.0626, 77.4138,
107.7056

 0.4879, 1.1938,
3.1421

 82.4630, 101.3293,
138.1502

 0.0000, 0.0567,
1.1676

 106.9055,
129.7234, 173.8507

 0.0000, 0.0000,
0.0000

 135.7555,

162.9806, 215.2259

169.3784,
201.4852, 262.6942

■ 13.5758, 18.8504,
30.1171

■ 13.5758, 18.8504,
30.1171

■ 13.5760, 18.8506,
30.1175

■ 13.9461, 19.3075,
30.1862

■ 14.4495, 19.8362,
30.2617

■ 15.1510, 20.4703,
30.3471

■ 16.0752, 21.2225,
30.4436

■ 17.2429, 22.1035,
30.5521

■ 18.6725, 23.1229,
30.6735

■ 20.3808, 24.2893,
30.8086

■ 22.3830, 25.6106,
30.9581

■ 24.6933, 27.0940,
31.1227

Harmonies

Analogous

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



12.8979, 18.8504, 21.0003



13.5758, 18.8504, 30.1171



15.3987, 18.8504, 38.0543

Triad

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



13.5758, 18.8504, 30.1171



23.2922, 18.8504, 29.0743



17.7525, 18.8504, 8.3366

Complementary

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



13.5758, 18.8504, 30.1171



11.9984, 6.3994, 0.6033

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.



20.6953, 18.8504, 9.4252



13.5758, 18.8504, 30.1171



24.0932, 18.8504, 20.0567

Square

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



13.5758, 18.8504, 30.1171



21.0110, 18.8504, 37.3468



23.0965, 18.8504, 13.2221



15.1422, 18.8504, 9.7088

Rectangle

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



13.5758, 18.8504, 30.1171



17.1225, 18.8504, 40.7467



23.0965, 18.8504, 13.2221



18.7352, 18.8504, 8.4251

Sweetspot

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



13.5764, 18.8511, 30.1176



35.7524, 42.7135, 54.3337



10.3467, 20.5851, 3.7817



7.6919, 9.3251, 12.0667



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.5764, 18.8511, 30.1176



23.8858, 33.1272, 53.1088



6.8490, 5.3963, 27.8751



5.9204, 6.4748, 7.4075



11.9550, 16.6049, 26.5060



0.1567, 0.2241, 0.3279

Inverse Universe

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



16.0882, 7.8050, 22.8496



28.3485, 13.7551, 40.1391



15.1165, 12.6356, 1.6427



6.0133, 5.9004, 7.1761



14.1614, 6.8696, 20.1289



0.1786, 0.0862, 0.2740

Previews

White Background



This preview shows how the XYZ color 13.5758, 18.8504, 30.1171 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 13.5758, 18.8504, 30.1171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

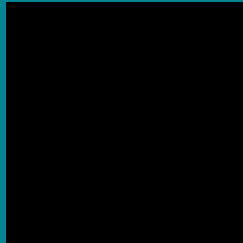
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.5758, 18.8504, 30.1171

Background



This preview shows how black text looks on a background with the XYZ color 13.5758, 18.8504, 30.1171.

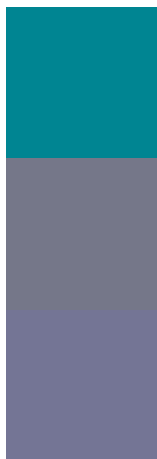


This preview shows how white text looks on a background with the XYZ color 13.5758, 18.8504,

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

13.5758, 18.8504, 30.1171

Protanopia

18.4483, 18.7817, 26.3198

Deuteranopia

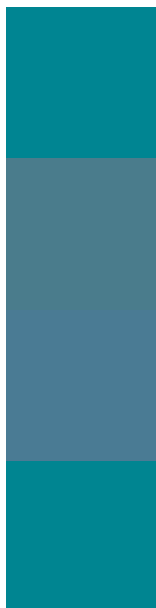
18.9886, 18.6055, 31.0242



Tritanopia

13.4216, 18.7887, 29.3047

Trichromacy



Original Color

13.5758, 18.8504, 30.1171

Protanomaly

14.7653, 17.7646, 27.4616

Deuteranomaly

15.2523, 17.7599, 30.6411

Tritanomaly

13.4984, 18.8194, 29.7091

Monochromacy



Original Color

13.5758, 18.8504, 30.1171

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.3694, 13.1128, 17.9041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5758, 18.8504, 30.1171 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, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 146)  
}
```

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, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 146) }
```

Border

The CSS property to change the border of an element to XYZ 13.5758, 18.8504, 30.1171 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, 146) }
```


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

```
.border{ border-color:rgb(0, 133, 146) }
```

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, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 133,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5758, 18.8504, 30.1171 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, 146) }
```

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

```
.background{ background-color: rgb(0, 133,  
146) }
```

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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