

Converting Colors

XYZ(5.2225, 15.7400, 12.9344)

Have a look what the booklet for
XYZ(5.2225, 15.7400, 12.9344)
contains.

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Color

**XYZ(10.8774, 18.6640,
13.1544)**

Conversions

Conversions Part 1

Format	Color
Hex	00895C
RGB	0, 137, 92
RGB Percent	0%, 54%, 36%
CMY	1.0000, 0.4627, 0.6392
CMYK	1.00, 0.00, 0.33, 0.46
HSL	160°, 100%, 27%
HSV	160°, 100%, 54%
XYZ	10.8774, 18.6640, 13.1544
YIQ	90.9070, -67.2070, -43.0390

Conversions

Conversions Part 2

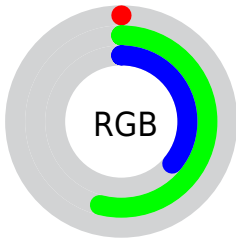
Format	Color
RYB	0, 82, 137
Decimal	35164
CIELab	50.29, -42.99, 15.43
CIELCh	50, 45.671, 160.260
Yxy	18.6640, 0.2548, 0.4371
Android (android.graphics.Color)	4278225244 (0xFF00895C)
YUV	90.9070, 0.5388, -79.7254
Hunter-Lab	43.2019, -30.6604, 12.1883

Details

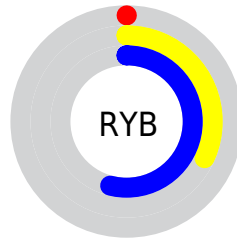
The XYZ color **10.8774, 18.6640, 13.1544** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.7908, 5.5082, 2.9779**, and the grayscale version is **9.9333, 10.4506, 11.3807**.

A 20% lighter version of the original color is **26.9930, 41.0084, 32.0839**, and **3.8209, 6.8528, 3.7061** is the 20% darker color. If you saturate the color by 10%, you get **10.8777, 18.6647, 13.1543**, and if you desaturate by 10%, it is **11.2571, 18.8368, 14.2304**.

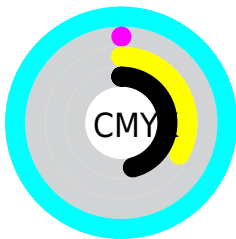
Distribution



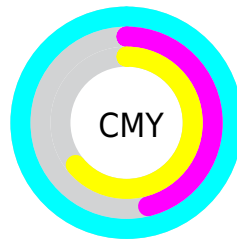
- Red (0%)
- Green (54%)
- Blue (36%)



- Red (0%)
- Yellow (32%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (46%)




- Cyan (100%)
- Magenta (46%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.8774, 18.6640, 13.1544 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 10.8774, 18.6640, 13.1544 by changing the saturation by 10% instead.


 10.8774, 18.6640,
13.1544


 10.8774, 18.6640,
13.1544


190.7502,
244.5875, 223.1473


 6.0511, 11.4277,
7.4030


 27.0682, 41.1656,
32.2761


 2.9172, 6.3553,
3.6331


 39.1634, 57.1997,
46.4835


 1.1101, 3.0623,
1.4263

 54.4124, 76.9352,
64.3467

 0.0335, 1.1644,
0.1621

 73.1804, 100.7565,
86.2841

 0.0000, 0.0323,
0.0000

 95.8329, 129.0479,
112.7143

 0.0000, 0.0000,
0.0000

 122.7351,

162.1940, 144.0559

154.2524,
200.5791, 180.7274

■ 10.8774, 18.6640,
13.1544

■ 10.8774, 18.6640,
13.1544

■ 10.8777, 18.6647,
13.1543

■ 11.2571, 18.8368,
14.2304

■ 11.7579, 19.0702,
15.3736

■ 12.4404, 19.3959,
16.5885

■ 13.3257, 19.8246,
17.8768

■ 14.4315, 20.3657,
19.2404

■ 15.7738, 21.0272,
20.6811

■ 17.3670, 21.8165,
22.2003

■ 19.2244, 22.7405,
23.7996

■ 21.3581, 23.8055,
25.4804

Harmonies

Analogous

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



12.7907, 18.6640, 6.8242



10.8774, 18.6640, 13.1544



10.6169, 18.6640, 24.9770

Triad

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



10.8774, 18.6640, 13.1544



19.2981, 18.6640, 54.9539



25.0547, 18.6640, 8.2941

Complementary

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



10.8774, 18.6640, 13.1544



10.7908, 5.5082, 2.9779

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.



27.4951, 18.6640, 16.2845



10.8774, 18.6640, 13.1544



23.8240, 18.6640, 45.1572

Square

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



10.8774, 18.6640, 13.1544



15.0189, 18.6640, 52.9560



27.0107, 18.6640, 29.7104



20.7705, 18.6640, 4.9352

Rectangle

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



10.8774, 18.6640, 13.1544



11.3601, 18.6640, 35.2356



27.0107, 18.6640, 29.7104



26.1477, 18.6640, 10.3519

Sweetspot

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



10.8779, 18.6647, 13.1548



30.8953, 38.9664, 39.5693



10.0580, 18.4652, 3.0342



6.6876, 8.6199, 8.6505



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.



10.8779, 18.6647, 13.1548



19.4021, 33.3929, 23.1493



10.5521, 13.8792, 25.7906



5.1041, 5.6611, 6.0694



10.1378, 17.3877, 12.2825



0.0741, 0.1182, 0.1173

Inverse Universe

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



10.7908, 5.5082, 2.9779



19.2550, 9.8362, 4.9719



10.6202, 5.9250, 0.5841



5.0962, 5.0739, 5.5951



10.0562, 5.1326, 2.8001



0.0730, 0.0366, 0.0513

Previews

White Background



This preview shows how the XYZ color 10.8774, 18.6640, 13.1544 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 10.8774, 18.6640, 13.1544 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 10.8774, 18.6640, 13.1544

Background



This preview shows how black text looks on a background with the XYZ color 10.8774, 18.6640, 13.1544.



This preview shows how white text looks on a background with the XYZ color 10.8774, 18.6640,

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

10.8774, 18.6640, 13.1544

Protanopia

17.2503, 18.5009, 11.0493

Deuteranopia

18.7696, 18.5278, 13.8962



Tritanopia

14.0963, 18.7600, 28.0774

Trichromacy



Original Color

10.8774, 18.6640, 13.1544

Protanomaly

12.6608, 17.4037, 11.7088

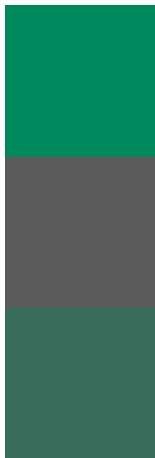
Deuteranomaly

13.1730, 17.0668, 13.4264

Tritanomaly

12.4981, 18.4811, 21.6474

Monochromacy



Original Color

10.8774, 18.6640, 13.1544

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

8.9958, 12.3800, 11.8130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8774, 18.6640, 13.1544 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, 137, 92)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 92)  
}
```

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, 137, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 92) }
```

Border

The CSS property to change the border of an element to XYZ 10.8774, 18.6640, 13.1544 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, 137, 92) }
```


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

```
.border{ border-color:rgb(0, 137, 92) }
```

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

Here you see how a box with a 4 pixel rgb(0, 137, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 92);  
box-shadow:4px 4px 4px 4px rgb(0, 137, 92)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.8774, 18.6640, 13.1544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 92) }
```

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

```
.background{ background-color: rgb(0, 137,  
92) }
```

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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