

Converting Colors

XYZ(7.4240, 16.8659, 15.2010)

Have a look what the booklet for
XYZ(7.4240, 16.8659, 15.2010)
contains.

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Color

**XYZ(11.2946, 18.8309,
15.3514)**

Conversions

Conversions Part 1

Format	Color
Hex	008965
RGB	0, 137, 101
RGB Percent	0%, 54%, 40%
CMY	1.0000, 0.4627, 0.6039
CMYK	1.00, 0.00, 0.26, 0.46
HSL	164°, 100%, 27%
HSV	164°, 100%, 54%
XYZ	11.2946, 18.8309, 15.3514
YIQ	91.9330, -70.0960, -40.2400

Conversions

Conversions Part 2

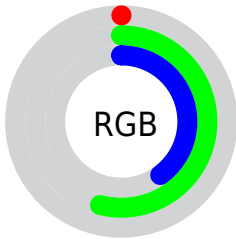
Format	Color
RYB	0, 79, 137
Decimal	35173
CIELab	50.49, -40.77, 10.54
CIELCh	50, 42.112, 165.503
Yxy	18.8309, 0.2484, 0.4141
Android (android.graphics.Color)	4278225253 (0xFF008965)
YUV	91.9330, 4.4700, -80.6252
Hunter-Lab	43.3946, -29.4811, 9.4016

Details

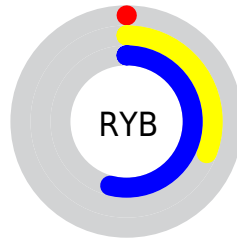
The XYZ color **11.2946, 18.8309, 15.3514** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.6355, 5.4461, 2.1604**, and the grayscale version is **10.1596, 10.6887, 11.6399**.

A 20% lighter version of the original color is **27.7780, 41.3224, 36.2177**, and **3.9936, 6.9219, 4.6156** is the 20% darker color. If you saturate the color by 10%, you get **11.2949, 18.8316, 15.3514**, and if you desaturate by 10%, it is **11.6520, 18.9948, 16.3098**.

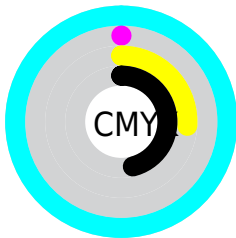
Distribution



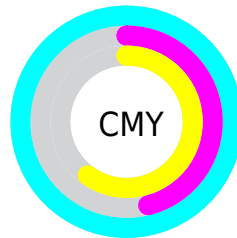
- Red (0%)
- Green (54%)
- Blue (40%)



- Red (0%)
- Yellow (31%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (46%)



- Cyan (100%)
- Magenta (46%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.2946, 18.8309, 15.3514 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 11.2946, 18.8309, 15.3514 by changing the saturation by 10% instead.

■ 11.2946, 18.8309,
15.3514

■ 11.2946, 18.8309,
15.3514

193.5445,
245.5136, 237.1970

■ 6.3341, 11.5482,
8.9170

■ 27.8318, 41.4482,
36.2195

■ 3.0919, 6.4368,
4.5910

■ 40.1392, 57.5515,
51.4902

■ 1.2025, 3.1125,
1.9549

■ 55.6263, 77.3638,
70.5435

■ 0.1084, 1.1907,
0.5273

■ 74.6585, 101.2694,
93.7979

■ 0.0000, 0.0541,
0.0000

■ 97.6010, 129.6528,
121.6719

■ 0.0000, 0.0000,
0.0000

■ 124.8193,

162.8984, 154.5840

156.6787,
201.3906, 192.9529

■ 11.2946, 18.8309,
15.3514

■ 11.2946, 18.8309,
15.3514

■ 11.2949, 18.8316,
15.3514

■ 11.6520, 18.9948,
16.3098

■ 12.1264, 19.2176,
17.3140

■ 12.7784, 19.5311,
18.3679

■ 13.6288, 19.9459,
19.4730

■ 14.6954, 20.4713,
20.6305

■ 15.9942, 21.1153,
21.8416

■ 17.5393, 21.8854,
23.1074

■ 19.3439, 22.7884,
24.4291

■ 21.4203, 23.8304,
25.8076

Harmonies

Analogous

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



12.8396, 18.8309, 8.3941



11.2946, 18.8309, 15.3514



11.3210, 18.8309, 27.1559

Triad

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



11.2946, 18.8309, 15.3514



20.0911, 18.8309, 50.8952



24.0171, 18.8309, 8.2404

Complementary

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



11.2946, 18.8309, 15.3514



10.6355, 5.4461, 2.1604

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.



26.6285, 18.8309, 15.0375



11.2946, 18.8309, 15.3514



24.1365, 18.8309, 40.7683

Square

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



11.2946, 18.8309, 15.3514



15.9949, 18.8309, 51.0838



26.6753, 18.8309, 26.6962



19.9468, 18.8309, 5.4850

Rectangle

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



11.2946, 18.8309, 15.3514



12.2128, 18.8309, 36.6252



26.6753, 18.8309, 26.6962



25.1203, 18.8309, 9.9814

Sweetspot

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



11.2951, 18.8316, 15.3518



31.2098, 39.0922, 41.2254



9.6925, 18.2768, 3.0171



6.7654, 8.6510, 9.0598



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.



11.2951, 18.8316, 15.3518



20.1571, 33.6949, 27.1251



9.5709, 11.9169, 25.4635



5.1177, 5.6665, 6.1406



10.5259, 17.5429, 14.3259



0.0760, 0.1190, 0.1269

Inverse Universe

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



10.6355, 5.4461, 2.1604



18.9863, 9.7287, 3.5567



10.8327, 6.3501, 0.6550



5.0833, 5.0688, 5.5273



9.9109, 5.0745, 2.0352



0.0712, 0.0358, 0.0417

Previews

White Background



This preview shows how the XYZ color 11.2946, 18.8309, 15.3514 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 11.2946, 18.8309, 15.3514 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 11.2946, 18.8309, 15.3514

Background



This preview shows how black text looks on a background with the XYZ color 11.2946, 18.8309, 15.3514.



This preview shows how white text looks on a background with the XYZ color 11.2946, 18.8309,

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

11.2946, 18.8309, 15.3514

Protanopia

17.4747, 18.5732, 13.0199

Deuteranopia

18.8856, 18.5363, 16.2182



Tritanopia

14.1725, 18.9910, 28.5098

Trichromacy



Original Color

11.2946, 18.8309, 15.3514



Protanomaly

12.9655, 17.5156, 13.7638



Deuteranomaly

13.5121, 17.1916, 15.7029



Tritanomaly

12.8348, 18.8294, 23.0366

Monochromacy



Original Color

11.2946, 18.8309, 15.3514



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

9.2318, 12.4812, 12.7490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.2946, 18.8309, 15.3514 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 101) }
```

Border

The CSS property to change the border of an element to XYZ 11.2946, 18.8309, 15.3514 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, 101) }
```


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

```
.border{ border-color:rgb(0, 137, 101) }
```

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, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 11.2946, 18.8309, 15.3514 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, 101) }
```

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

```
.background{ background-color: rgb(0, 137,  
101) }
```

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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