

Converting Colors

XYZ(5.8296, 12.4272, 14.4620)

Have a look what the booklet for
XYZ(5.8296, 12.4272, 14.4620)
contains.

XYZ(8.8274, 13.8965, 14.5289)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(8.8274, 13.8965,
14.5289)**

Conversions

Conversions Part 1

Format	Color
Hex	007665
RGB	0, 118, 101
RGB Percent	0%, 46%, 40%
CMY	1.0000, 0.5372, 0.6039
CMYK	1.00, 0.00, 0.14, 0.54
HSL	171°, 100%, 23%
HSV	171°, 100%, 46%
XYZ	8.8274, 13.8965, 14.5289
YIQ	80.7800, -64.8710, -30.3030

Conversions

Conversions Part 2

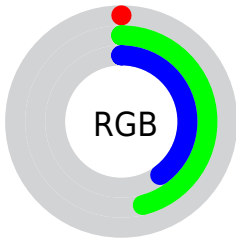
Format	Color
RYB	0, 64, 118
Decimal	30309
CIELab	44.08, -32.55, 1.39
CIELCh	44, 32.583, 177.550
Yxy	13.8965, 0.2370, 0.3730
Android (android.graphics.Color)	4278220389 (0xFF007665)
YUV	80.7800, 9.9685, -70.8441
Hunter-Lab	37.2780, -22.9679, 2.9867

Details

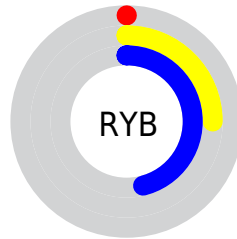
The XYZ color **8.8274, 13.8965, 14.5289** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.5729, 3.8924, 0.8829**, and the grayscale version is **7.7685, 8.1731, 8.9005**.

A 20% lighter version of the original color is **23.2910, 32.9706, 34.8422**, and **2.7940, 4.5226, 4.2157** is the 20% darker color. If you saturate the color by 10%, you get **8.8276, 13.8970, 14.5289**, and if you desaturate by 10%, it is **9.0608, 14.0074, 14.9796**.

Distribution



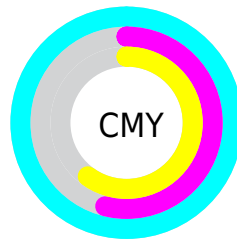
- Red (0%)
- Green (46%)
- Blue (40%)



- Red (0%)
- Yellow (25%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (54%)



- Cyan (100%)
- Magenta (54%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.8274, 13.8965, 14.5289 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 8.8274, 13.8965, 14.5289 by changing the saturation by 10% instead.

■ 8.8274, 13.8965,
14.5289

■ 8.8274, 13.8965,
14.5289

176.3195,
216.5860, 232.0385

■ 4.6850, 8.0487,
8.3465

■ 23.2354, 32.9053,
34.7551

■ 2.0965, 4.1261,
4.2265

■ 34.2318, 46.8350,
49.6360

■ 0.6873, 1.7444,
1.7504

■ 48.2434, 64.2276,
68.2535

■ 0.0000, 0.4521,
0.3949

■ 65.6358, 85.4673,
91.0261

■ 0.0000, 0.0000,
0.0000

■ 86.7743, 110.9387,
118.3723

■ 112.0241,

141.0259, 150.7108

141.7507,
176.1136, 188.4600

8.8274, 13.8965,
14.5289

8.8274, 13.8965,
14.5289

8.8276, 13.8970,
14.5289

9.0608, 14.0074,
14.9796

9.3653, 14.1545,
15.4423

9.7926, 14.3646,
15.9199

10.3569, 14.6452,
16.4131

11.0703, 15.0025,
16.9224

■ 11.9437, 15.4420,
17.4485

■ 12.9868, 15.9688,
17.9919

■ 14.2087, 16.5875,
18.5529

■ 15.6177, 17.3025,
19.1322

Harmonies

Analogous

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



9.4322, 13.8965, 8.6905



8.8274, 13.8965, 14.5289



9.2630, 13.8965, 22.7418

Triad

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



8.8274, 13.8965, 14.5289



15.6508, 13.8965, 31.6471



16.0677, 13.8965, 5.9978

Complementary

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



8.8274, 13.8965, 14.5289



7.5729, 3.8924, 0.8829

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.



18.1394, 13.8965, 9.4414



8.8274, 13.8965, 14.5289



17.8774, 13.8965, 24.1569

Square

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



8.8274, 13.8965, 14.5289



12.9963, 13.8965, 34.3469



18.8411, 13.8965, 15.7494



13.4224, 13.8965, 4.8796

Rectangle

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



8.8274, 13.8965, 14.5289



10.1211, 13.8965, 28.2997



18.8411, 13.8965, 15.7494



16.8667, 13.8965, 6.8520

Sweetspot

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



8.8278, 13.8970, 14.5292



22.6851, 28.0018, 31.5612



6.7228, 13.0832, 2.1712



5.0708, 6.3649, 7.1835



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



8.8278, 13.8970, 14.5292



15.4849, 24.4199, 25.3540



5.9035, 6.5746, 18.0981



3.7617, 4.1466, 4.5791



9.5464, 15.0326, 15.6994



46.2784, 73.1586, 75.2282

Inverse Universe

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



7.5729, 3.8924, 0.8829



13.2821, 6.8304, 1.3797



8.2751, 5.4589, 0.6178



3.7035, 3.7087, 3.9653



8.1890, 4.2093, 0.9377



39.7071, 20.4329, 3.5208

Previews

White Background



This preview shows how the XYZ color 8.8274, 13.8965, 14.5289 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 8.8274, 13.8965, 14.5289 looks on a black 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

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

XYZ 8.8274, 13.8965, 14.5289

Background



This preview shows how black text looks on a background with the XYZ color 8.8274, 13.8965, 14.5289.

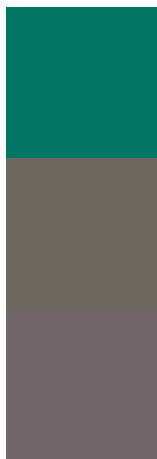


This preview shows how white text looks on a background with the XYZ color 8.8274, 13.8965,

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

8.8274, 13.8965, 14.5289

Protanopia

13.1104, 13.8791, 12.3439

Deuteranopia

14.1429, 13.9047, 15.3031



Tritanopia

10.3960, 14.0400, 21.2309

Trichromacy



Original Color

8.8274, 13.8965, 14.5289

Protanomaly

10.0342, 13.0470, 13.0558

Deuteranomaly

10.5040, 12.9313, 15.0391

Tritanomaly

9.7070, 13.9112, 18.6965

Monochromacy



Original Color

8.8274, 13.8965, 14.5289

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

7.1803, 9.4401, 10.6762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.8274, 13.8965, 14.5289 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, 118, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 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, 118, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 101) }
```

Border

The CSS property to change the border of an element to XYZ 8.8274, 13.8965, 14.5289 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, 118, 101) }
```


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

```
.border{ border-color:rgb(0, 118, 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, 118, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 8.8274, 13.8965, 14.5289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 101) }
```

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

```
.background{ background-color: rgb(0, 118,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor