

Converting Colors

XYZ(7.7665, 13.6615, 8.3585)

Have a look what the booklet for
XYZ(7.7665, 13.6615, 8.3585)
contains.

XYZ(7.7665, 13.6615, 8.3585)	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(7.7665, 13.6615,
8.3585)**

Conversions

Conversions Part 1

Format	Color
Hex	007748
RGB	0, 119, 72
RGB Percent	0%, 47%, 28%
CMY	1.0000, 0.5333, 0.7176
CMYK	1.00, 0.00, 0.39, 0.53
HSL	156°, 100%, 23%
HSV	156°, 100%, 47%
XYZ	7.7665, 13.6615, 8.3585
YIQ	78.0610, -55.8370, -39.8450

Conversions

Conversions Part 2

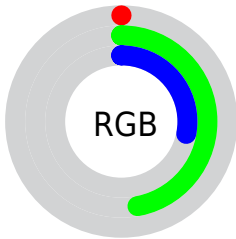
Format	Color
RYB	0, 74, 119
Decimal	30536
CIELab	43.74, -40.55, 18.01
CIELCh	44, 44.364, 156.054
Yxy	13.6615, 0.2607, 0.4586
Android (android.graphics.Color)	4278220616 (0xFF007748)
YUV	78.0610, -2.9881, -68.4595
Hunter-Lab	36.9615, -27.1754, 12.4651

Details

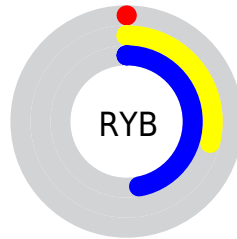
The XYZ color **7.7665, 13.6615, 8.3585** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **8.1212, 4.1274, 3.0584**, and the grayscale version is **7.2665, 7.6449, 8.3253**.

A 20% lighter version of the original color is **21.1842, 32.4220, 23.2307**, and **2.3377, 4.3401, 1.8131** is the 20% darker color. If you saturate the color by 10%, you get **7.7668, 13.6620, 8.3586**, and if you desaturate by 10%, it is **8.0764, 13.8032, 9.2047**.

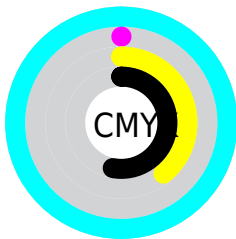
Distribution



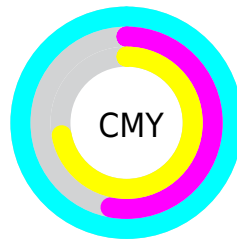
- Red (0%)
- Green (47%)
- Blue (28%)



- Red (0%)
- Yellow (29%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 7.7665, 13.6615, 8.3585 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 7.7665, 13.6615, 8.3585 by changing the saturation by 10% instead.


 7.7665, 13.6615,
8.3585


 7.7665, 13.6615,
8.3585


168.2986,
215.1147, 188.5558


 3.9964, 7.8856,
4.2341


 21.1892, 32.4872,
23.2160


 1.7001, 4.0218,
1.7547

 31.5726, 46.3058,
34.7862


 0.4563, 1.6858,
0.3978

 44.8912, 63.5741,
49.6754

 0.0000, 0.4144,
0.0000

 61.5102, 84.6765,
68.3022


 0.0000, 0.0000,
0.0000


 81.7951, 109.9973,
91.0851


 106.1113,


139.9210, 118.4426


 134.8240,
174.8320, 150.7934


 7.7665, 13.6615,
8.3585


 7.7665, 13.6615,
8.3585

 7.7668, 13.6620,
8.3586

 8.0764, 13.8032,
9.2047

 8.4694, 13.9860,
10.1170

 8.9982, 14.2374,
11.0995

 9.6772, 14.5649,
12.1541

 10.5192, 14.9748,
13.2826

■ 11.5355, 15.4731,
14.4867

■ 12.7361, 16.0650,
15.7680

■ 14.1306, 16.7552,
17.1281

■ 15.7277, 17.5483,
18.5685

Harmonies

Analogous

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



9.4220, 13.6615, 4.1192



7.7665, 13.6615, 8.3585



7.3893, 13.6615, 16.9957

Triad

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



7.7665, 13.6615, 8.3585



13.7056, 13.6615, 43.3418



19.2011, 13.6615, 6.1883

Complementary

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



7.7665, 13.6615, 8.3585



8.1212, 4.1274, 3.0584

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.



20.8669, 13.6615, 12.9386



7.7665, 13.6615, 8.3585



17.3486, 13.6615, 36.4517

Square

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



7.7665, 13.6615, 8.3585



10.4471, 13.6615, 40.2619



20.1346, 13.6615, 24.1188



15.9035, 13.6615, 3.3166

Rectangle

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



7.7665, 13.6615, 8.3585



7.8408, 13.6615, 25.0144



20.1346, 13.6615, 24.1188



19.9951, 13.6615, 7.9295

Sweetspot

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



7.7669, 13.6620, 8.3588



22.6295, 28.6797, 28.0546



7.7974, 13.8129, 2.2553



5.1820, 6.7075, 6.4600



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



7.7669, 13.6620, 8.3588



13.8385, 24.4364, 14.6035



8.5983, 11.8687, 19.2911



3.7250, 4.1319, 4.3855



8.2467, 14.5127, 8.8550



39.7565, 70.5499, 40.8844

Inverse Universe

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



8.1212, 4.1274, 3.0584



14.4775, 7.3648, 5.1354



7.7383, 4.1827, 0.3996



3.7383, 3.7226, 4.1487



8.6234, 4.3831, 3.2252



41.6265, 21.2007, 13.6282

Previews

White Background



This preview shows how the XYZ color 7.7665, 13.6615, 8.3585 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 7.7665, 13.6615, 8.3585 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 7.7665, 13.6615, 8.3585

Background



This preview shows how black text looks on a background with the XYZ color 7.7665, 13.6615, 8.3585.



This preview shows how white text looks on a background with the XYZ color 7.7665, 13.6615,

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

7.7665, 13.6615, 8.3585

Protanopia

12.5157, 13.5386, 7.1078

Deuteranopia

13.8274, 13.5971, 8.9169



Tritanopia

10.4142, 13.7290, 20.5134

Trichromacy



Original Color

7.7665, 13.6615, 8.3585

Protanomaly

9.1106, 12.6942, 7.4389

Deuteranomaly

9.5659, 12.4358, 8.5528

Tritanomaly

9.0814, 13.4940, 15.2227

Monochromacy



Original Color

7.7665, 13.6615, 8.3585

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

6.5343, 9.0286, 8.2358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.7665, 13.6615, 8.3585 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, 119, 72)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 72)  
}
```

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, 119, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 72) }
```

Border

The CSS property to change the border of an element to XYZ 7.7665, 13.6615, 8.3585 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, 119, 72) }
```


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

```
.border{ border-color:rgb(0, 119, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 119, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 72);  
box-shadow:4px 4px 4px 4px rgb(0, 119, 72)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.7665, 13.6615, 8.3585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 72) }
```

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

```
.background{ background-color: rgb(0, 119,  
72) }
```

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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