

Converting Colors

XYZ(8.4330, 13.3670, 13.5857)

Have a look what the booklet for
XYZ(8.4330, 13.3670, 13.5857)
contains.

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Color

**XYZ(8.4500, 13.3726,
13.6911)**

Conversions

Conversions Part 1

Format	Color
Hex	007462
RGB	0, 116, 98
RGB Percent	0%, 45%, 38%
CMY	1.0000, 0.5451, 0.6157
CMYK	1.00, 0.00, 0.16, 0.55
HSL	171°, 100%, 23%
HSV	171°, 100%, 45%
XYZ	8.4500, 13.3726, 13.6911
YIQ	79.2640, -63.3580, -30.1900

Conversions

Conversions Part 2

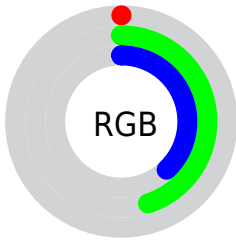
Format	Color
RYB	0, 63, 116
Decimal	29794
CIELab	43.32, -32.53, 2.08
CIELCh	43, 32.597, 176.346
Yxy	13.3726, 0.2379, 0.3765
Android (android.graphics.Color)	4278219874 (0xFF007462)
YUV	79.2640, 9.2368, -69.5145
Hunter-Lab	36.5686, -22.7485, 3.4001

Details

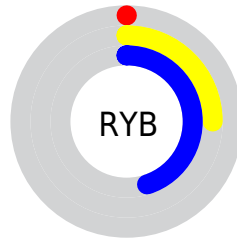
The XYZ color **8.4500, 13.3726, 13.6911** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.3121, 3.7571, 0.9126**, and the grayscale version is **7.4748, 7.8641, 8.5640**.

A 20% lighter version of the original color is **22.5933, 32.0824, 33.4355**, and **2.6270, 4.2622, 3.9331** is the 20% darker color. If you saturate the color by 10%, you get **8.4502, 13.3730, 13.6910**, and if you desaturate by 10%, it is **8.6825, 13.4828, 14.1511**.

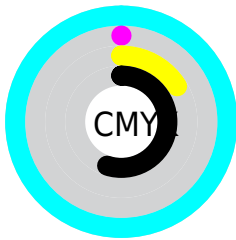
Distribution



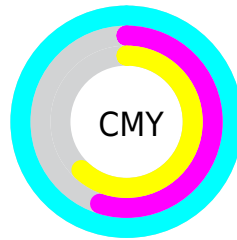
- Red (0%)
- Green (45%)
- Blue (38%)



- Red (0%)
- Yellow (25%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (55%)



- Cyan (100%)
- Magenta (55%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.4500, 13.3726, 13.6911 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 8.4500, 13.3726, 13.6911 by changing the saturation by 10% instead.

8.4500, 13.3726,
13.6911

8.4500, 13.3726,
13.6911

173.5156,
213.2920, 226.6618

4.4384, 7.6856,
7.7698

22.5131, 31.9716,
33.2491

1.9530, 3.8944,
3.8624

33.2953, 45.6524,
47.7230

0.6074, 1.6147,
1.5502

47.0651, 62.7665,
65.8848

0.0000, 0.3675,
0.2549


64.1879, 83.6985,
88.1530


0.0000, 0.0000,
0.0000


85.0290, 108.8326,
114.9463


109.9537,


138.5533, 146.6832


 139.3275,
173.2450, 183.7822


 8.4500, 13.3726,
13.6911


 8.4500, 13.3726,
13.6911


 8.4502, 13.3730,
13.6910

 8.6825, 13.4828,
14.1511

 8.9823, 13.6273,
14.6239

 9.4007, 13.8326,
15.1124

 9.9511, 14.1057,
15.6173

 10.6451, 14.4527,
16.1391

■ 11.4932, 14.8788,
16.6784

■ 12.5045, 15.3889,
17.2358

■ 13.6879, 15.9874,
17.8116

■ 15.0513, 16.6785,
18.4063

Harmonies

Analogous

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



9.0780, 13.3726, 8.1277



8.4500, 13.3726, 13.6911



8.8327, 13.3726, 21.6541

Triad

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



8.4500, 13.3726, 13.6911



14.9920, 13.3726, 30.9390



15.5990, 13.3726, 5.7744

Complementary

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



8.4500, 13.3726, 13.6911



7.3121, 3.7571, 0.9126

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.



17.5831, 13.3726, 9.2147



8.4500, 13.3726, 13.6911



17.2013, 13.3726, 23.7187

Square

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



8.4500, 13.3726, 13.6911



12.4029, 13.3726, 33.3420



18.2050, 13.3726, 15.4659



13.0226, 13.3726, 4.6174

Rectangle

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



8.4500, 13.3726, 13.6911



9.6412, 13.3726, 27.1347



18.2050, 13.3726, 15.4659



16.3699, 13.3726, 6.6318

Sweetspot

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



8.4504, 13.3731, 13.6914



21.8328, 26.9757, 30.2200



6.5209, 12.6331, 2.0951



5.0608, 6.3609, 7.1307



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.



8.4504, 13.3731, 13.6914



14.8157, 23.4915, 23.8669



5.8302, 6.6163, 17.4933



3.7601, 4.1460, 4.5704



9.4773, 15.0049, 15.3355



45.9272, 73.0181, 73.3788

Inverse Universe

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



7.3121, 3.7571, 0.9126



12.8188, 6.5901, 1.4254



7.9176, 5.1429, 0.5757



3.7050, 3.7093, 3.9733



8.2003, 4.2138, 0.9970



39.7511, 20.4506, 3.7528

Previews

White Background



This preview shows how the XYZ color 8.4500, 13.3726, 13.6911 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 8.4500, 13.3726, 13.6911 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 8.4500, 13.3726, 13.6911

Background



This preview shows how black text looks on a background with the XYZ color 8.4500, 13.3726, 13.6911.

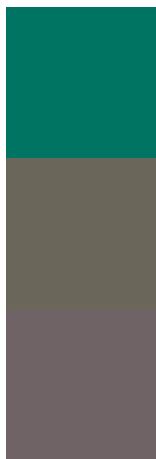


This preview shows how white text looks on a background with the XYZ color 8.4500, 13.3726,

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

8.4500, 13.3726, 13.6911

Protanopia

12.6602, 13.3667, 11.5856

Deuteranopia

13.5422, 13.3277, 14.4291



Tritanopia

10.0452, 13.5387, 20.4962

Trichromacy



Original Color

8.4500, 13.3726, 13.6911

Protanomaly

9.6174, 12.5346, 12.2685

Deuteranomaly

9.9991, 12.3823, 14.1749

Tritanomaly

9.3072, 13.3863, 17.7161

Monochromacy



Original Color

8.4500, 13.3726, 13.6911

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

6.8223, 9.0043, 10.1825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.4500, 13.3726, 13.6911 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, 116, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 116, 98)  
}
```

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, 116, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 116, 98) }
```

Border

The CSS property to change the border of an element to XYZ 8.4500, 13.3726, 13.6911 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, 116, 98) }
```


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

```
.border{ border-color:rgb(0, 116, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 116, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 116, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 116, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 116, 98)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.4500, 13.3726, 13.6911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 116, 98) }
```

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

```
.background{ background-color: rgb(0, 116,  
98) }
```

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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