

Converting Colors

XYZ(8.7217, 13.7228, 14.3773)

Have a look what the booklet for
XYZ(8.7217, 13.7228, 14.3773)
contains.

XYZ(8.7103, 13.6622, 14.4899)	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(8.7103, 13.6622,
14.4899)**

Conversions

Conversions Part 1

Format	Color
Hex	007565
RGB	0, 117, 101
RGB Percent	0%, 46%, 40%
CMY	0.9999, 0.5412, 0.6039
CMYK	1.00, 0.00, 0.14, 0.54
HSL	172°, 100%, 23%
HSV	172°, 100%, 46%
XYZ	8.7103, 13.6622, 14.4899
YIQ	80.1930, -64.5960, -29.7800

Conversions

Conversions Part 2

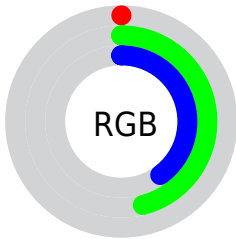
Format	Color
RYB	0, 63, 117
Decimal	30053
CIELab	43.74, -32.09, 0.90
CIELCh	44, 32.107, 178.396
Yxy	13.6622, 0.2363, 0.3706
Android (android.graphics.Color)	4278220133 (0xFF007565)
YUV	80.1930, 10.2579, -70.3293
Hunter-Lab	36.9624, -22.6202, 2.6310

Details

The XYZ color **8.7103, 13.6622, 14.4899** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.4302, 3.8198, 0.8364**, and the grayscale version is **7.6532, 8.0517, 8.7684**.

A 20% lighter version of the original color is **23.1028, 32.5942, 34.7794**, and **2.7330, 4.4006, 4.1954** is the 20% darker color. If you saturate the color by 10%, you get **8.7104, 13.6626, 14.4898**, and if you desaturate by 10%, it is **8.9374, 13.7704, 14.9142**.

Distribution



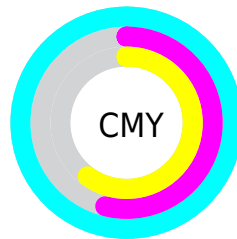
- Red (0%)
- Green (46%)
- Blue (40%)



- 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 8.7103, 13.6622, 14.4899 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 8.7103, 13.6622, 14.4899 by changing the saturation by 10% instead.

8.7103, 13.6622,
14.4899

8.7103, 13.6622,
14.4899

175.4550,
215.1191, 231.7910

4.6083, 7.8861,
8.3196

23.0119, 32.4884,
34.6853

2.0517, 4.0222,
4.2094

33.9423, 46.3074,
49.5475

0.6628, 1.6860,
1.7409

47.8794, 63.5760,
68.1441

0.0000, 0.4145,
0.3885

65.1888, 84.6788,
90.8935

0.0000, 0.0000,
0.0000

86.2356, 110.0001,
118.2144

111.3854,

139.9243, 150.5252

141.0034,
174.8359, 188.2446

8.7103, 13.6622,
14.4899

8.7103, 13.6622,
14.4899

8.7104, 13.6626,
14.4898

8.9374, 13.7704,
14.9142

9.2334, 13.9137,
15.3494

9.6497, 14.1188,
15.7983

10.2003, 14.3930,
16.2616

10.8969, 14.7422,
16.7399

■ 11.7502, 15.1721,
17.2337

■ 12.7697, 15.6874,
17.7435

■ 13.9643, 16.2928,
18.2697

■ 15.3421, 16.9925,
18.8129

Harmonies

Analogous

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



9.2725, 13.6622, 8.7121



8.7103, 13.6622, 14.4899



9.1643, 13.6622, 22.5202

Triad

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



8.7103, 13.6622, 14.4899



15.4350, 13.6622, 30.7743



15.7007, 13.6622, 5.8953

Complementary

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



8.7103, 13.6622, 14.4899



7.4302, 3.8198, 0.8364

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.



17.7439, 13.6622, 9.1927



8.7103, 13.6622, 14.4899



17.5771, 13.6622, 23.4209

Square

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



8.7103, 13.6622, 14.4899



12.8501, 13.6622, 33.5631



18.4709, 13.6622, 15.2685



13.1219, 13.6622, 4.8534

Rectangle

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



8.7103, 13.6622, 14.4899



10.0201, 13.6622, 27.8900



18.4709, 13.6622, 15.2685



16.4848, 13.6622, 6.7103

Sweetspot

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



8.7107, 13.6627, 14.4902



22.7113, 28.0123, 31.6995



6.6029, 12.8475, 2.1322



5.0775, 6.3675, 7.2185



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.



8.7107, 13.6627, 14.4902



15.5611, 24.4504, 25.7555



5.7995, 6.4611, 17.7717



3.7628, 4.1471, 4.5849



9.5926, 15.0510, 15.9424



46.5131, 73.2525, 76.4639

Inverse Universe

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



7.4302, 3.8198, 0.8364



13.2715, 6.8262, 1.3240



8.1280, 5.3651, 0.6076



3.7025, 3.7083, 3.9600



8.1820, 4.2065, 0.9005



39.6798, 20.4221, 3.3775

Previews

White Background



This preview shows how the XYZ color 8.7103, 13.6622, 14.4899 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 8.7103, 13.6622, 14.4899 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 8.7103, 13.6622, 14.4899

Background



This preview shows how black text looks on a background with the XYZ color 8.7103, 13.6622, 14.4899.

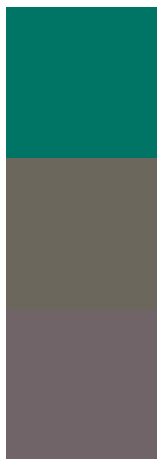


This preview shows how white text looks on a background with the XYZ color 8.7103, 13.6622,

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

8.7103, 13.6622, 14.4899

Protanopia

12.8894, 13.6166, 12.3048

Deuteranopia

13.7891, 13.5790, 15.2588



Tritanopia

10.1881, 13.7718, 20.8601

Trichromacy



Original Color

8.7103, 13.6622, 14.4899

Protanomaly

9.8578, 12.7986, 13.0171

Deuteranomaly

10.2513, 12.6471, 14.9975

Tritanomaly

9.5137, 13.6480, 18.3526

Monochromacy



Original Color

8.7103, 13.6622, 14.4899

Achromatopsia

7.6249, 8.0220, 8.7359

Achromatomaly

7.0410, 9.2371, 10.6444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.7103, 13.6622, 14.4899 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, 117, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 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, 117, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 101) }
```

Border

The CSS property to change the border of an element to XYZ 8.7103, 13.6622, 14.4899 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, 117, 101) }
```


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

```
.border{ border-color:rgb(0, 117, 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, 117, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 117,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 8.7103, 13.6622, 14.4899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 101) }
```

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

```
.background{ background-color: rgb(0, 117,  
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