

Converting Colors

XYZ(5.0072, 12.3218, 12.9407)

Have a look what the booklet for
XYZ(5.0072, 12.3218, 12.9407)
contains.

XYZ(8.7820, 14.2592, 13.1159)	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(8.7820, 14.2592,
13.1159)**

Conversions

Conversions Part 1

Format	Color
Hex	00785F
RGB	0, 120, 95
RGB Percent	0%, 47%, 37%
CMY	1.0000, 0.5294, 0.6274
CMYK	1.00, 0.00, 0.21, 0.53
HSL	167°, 100%, 24%
HSV	167°, 100%, 47%
XYZ	8.7820, 14.2592, 13.1159
YIQ	81.2700, -63.4950, -33.2150

Conversions

Conversions Part 2

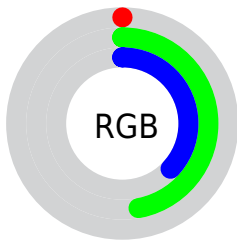
Format	Color
RYB	0, 67, 120
Decimal	30815
CIELab	44.60, -35.18, 5.71
CIELCh	45, 35.636, 170.775
Yxy	14.2592, 0.2429, 0.3944
Android (android.graphics.Color)	4278220895 (0xFF00785F)
YUV	81.2700, 6.7689, -71.2738
Hunter-Lab	37.7614, -24.5694, 5.8394

Details

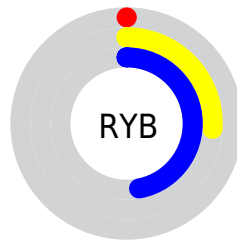
The XYZ color **8.7820, 14.2592, 13.1159** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.9216, 4.0635, 1.2868**, and the grayscale version is **7.8710, 8.2809, 9.0179**.

A 20% lighter version of the original color is **23.1150, 33.5093, 32.0377**, and **2.7445, 4.6021, 3.6494** is the 20% darker color. If you saturate the color by 10%, you get **8.7823, 14.2597, 13.1160**, and if you desaturate by 10%, it is **9.0495, 14.3841, 13.7316**.

Distribution



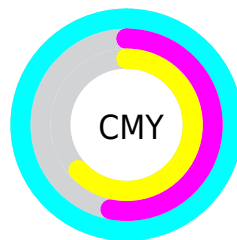
- Red (0%)
- Green (47%)
- Blue (37%)



- Red (0%)
- Yellow (26%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 8.7820, 14.2592, 13.1159 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 8.7820, 14.2592, 13.1159 by changing the saturation by 10% instead.


 8.7820, 14.2592,
13.1159


 8.7820, 14.2592,
13.1159


175.9849,
218.8374, 222.8930


 4.6552, 8.3012,
7.3767


 23.1488, 33.5482,
32.2061


 2.0791, 4.2883,
3.6168

 34.1196, 47.6480,
46.3942


 0.6778, 1.8361,
1.4176


 48.1025, 65.2305,
64.2357

 0.0000, 0.5095,
0.1554

 65.4627, 86.6801,
86.1491

 0.0000, 0.0000,
0.0000

 86.5657, 112.3812,
112.5530

 111.7769,

142.7182, 143.8659

141.4615,
178.0755, 180.5064

8.7820, 14.2592,
13.1159

8.7820, 14.2592,
13.1159

8.7823, 14.2597,
13.1160

9.0495, 14.3841,
13.7316

9.3939, 14.5479,
14.3699

9.8677, 14.7779,
15.0335

10.4858, 15.0819,
15.7235

11.2609, 15.4664,
16.4406

■ 12.2042, 15.9372,
17.1855

■ 13.3261, 16.4996,
17.9587

■ 14.6359, 17.1585,
18.7610

■ 16.1424, 17.9182,
19.5928

Harmonies

Analogous

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



9.6941, 14.2592, 7.4910



8.7820, 14.2592, 13.1159



9.0001, 14.2592, 21.8697

Triad

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



8.7820, 14.2592, 13.1159



15.6172, 14.2592, 35.6186



17.3719, 14.2592, 6.1847

Complementary

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



8.7820, 14.2592, 13.1159



7.9216, 4.0635, 1.2868

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.



19.4288, 14.2592, 10.5453



8.7820, 14.2592, 13.1159



18.3201, 14.2592, 27.8938

Square

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



8.7820, 14.2592, 13.1159



12.6830, 14.2592, 37.0774



19.7984, 14.2592, 18.2143



14.4617, 14.2592, 4.5319

Rectangle

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



8.7820, 14.2592, 13.1159



9.7714, 14.2592, 28.3833



19.7984, 14.2592, 18.2143



18.2024, 14.2592, 7.2903

Sweetspot

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



8.7824, 14.2598, 13.1162



23.2805, 28.9401, 31.4828



7.1429, 13.6532, 2.2590



5.3510, 6.7751, 7.3501



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.



8.7824, 14.2598, 13.1162



15.3971, 25.0598, 22.8109



6.7184, 8.0122, 18.9624



4.0730, 4.4988, 4.9183



9.5755, 15.5538, 14.2811



45.3600, 74.0670, 66.4591

Inverse Universe

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



7.9216, 4.0635, 1.2868



13.8897, 7.1296, 2.0399



8.3182, 5.1375, 0.5533



4.0293, 4.0275, 4.3521



8.6370, 4.4309, 1.3793



40.9414, 21.0329, 5.2217

Previews

White Background



This preview shows how the XYZ color 8.7820, 14.2592, 13.1159 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 8.7820, 14.2592, 13.1159 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 8.7820, 14.2592, 13.1159

Background



This preview shows how black text looks on a background with the XYZ color 8.7820, 14.2592, 13.1159.



This preview shows how white text looks on a background with the XYZ color 8.7820, 14.2592,

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

8.7820, 14.2592, 13.1159

Protanopia

13.3274, 14.1708, 11.0496

Deuteranopia

14.4747, 14.2551, 13.7930



Tritanopia

10.7100, 14.3648, 21.6102

Trichromacy



Original Color

8.7820, 14.2592, 13.1159

Protanomaly

10.0199, 13.2296, 11.6983

Deuteranomaly

10.5749, 13.3150, 13.5680

Tritanomaly

9.7752, 14.1317, 18.1321

Monochromacy



Original Color

8.7820, 14.2592, 13.1159

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

7.1881, 9.5864, 10.2756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.7820, 14.2592, 13.1159 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, 120, 95)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 95)  
}
```

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, 120, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 95) }
```

Border

The CSS property to change the border of an element to XYZ 8.7820, 14.2592, 13.1159 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, 120, 95) }
```


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

```
.border{ border-color:rgb(0, 120, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 120, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 95);  
box-shadow:4px 4px 4px 4px rgb(0, 120, 95)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.7820, 14.2592, 13.1159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 95) }
```

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

```
.background{ background-color: rgb(0, 120,  
95) }
```

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