

Converting Colors

XYZ(3.0056, 13.7171, 12.9981)

Have a look what the booklet for
XYZ(3.0056, 13.7171, 12.9981)
contains.

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Color

**XYZ(10.4079, 17.5832,
13.4350)**

Conversions

Conversions Part 1

Format	Color
Hex	00855E
RGB	0, 133, 94
RGB Percent	0%, 52%, 37%
CMY	1.0000, 0.4784, 0.6314
CMYK	1.00, 0.00, 0.29, 0.48
HSL	162°, 100%, 26%
HSV	162°, 100%, 52%
XYZ	10.4079, 17.5832, 13.4350
YIQ	88.7870, -66.7490, -40.3250

Conversions

Conversions Part 2

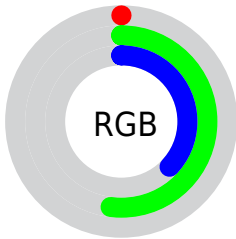
Format	Color
RYB	0, 78, 133
Decimal	34142
CIELab	48.99, -40.91, 12.48
CIELCh	49, 42.766, 163.037
Yxy	17.5832, 0.2512, 0.4244
Android (android.graphics.Color)	4278224222 (0xFF00855E)
YUV	88.7870, 2.5700, -77.8662
Hunter-Lab	41.9323, -29.0766, 10.3563

Details

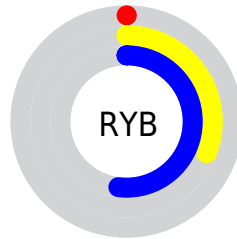
The XYZ color **10.4079, 17.5832, 13.4350** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.0397, 5.1335, 2.3820**, and the grayscale version is **9.4543, 9.9466, 10.8319**.

A 20% lighter version of the original color is **26.1126, 39.2597, 32.5872**, and **3.5508, 6.2480, 3.8151** is the 20% darker color. If you saturate the color by 10%, you get **10.4082, 17.5838, 13.4348**, and if you desaturate by 10%, it is **10.7584, 17.7436, 14.3887**.

Distribution



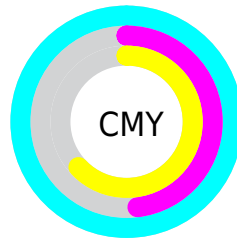
- Red (0%)
- Green (52%)
- Blue (37%)



- Red (0%)
- Yellow (31%)
- Blue (52%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (48%)





- Cyan (100%)
- Magenta (48%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.4079, 17.5832, 13.4350 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 10.4079, 17.5832, 13.4350 by changing the saturation by 10% instead.


 10.4079, 17.5832,
13.4350


 10.4079, 17.5832,
13.4350

187.5525,
238.5111, 224.9919


 5.7346, 10.6512,
7.5945


 26.2027, 39.3258,
32.7857


 2.7235, 5.8328,
3.7526

 38.0549, 54.9052,
47.1329


 1.0093, 2.7437,
1.4906

 53.0308, 74.1358,
65.1529

 0.0000, 0.9994,
0.2109

 71.4956, 97.4020,
87.2641

 0.0000, 0.0000,
0.0000

 93.8149, 125.0883,
113.8850

 120.3539,

157.5790, 145.4343

151.4780,
195.2584, 182.3304

■ 10.4079, 17.5832,
13.4350

■ 10.4079, 17.5832,
13.4350

■ 10.4082, 17.5838,
13.4348

■ 10.7584, 17.7436,
14.3887

■ 11.2180, 17.9588,
15.3941

■ 11.8454, 18.2594,
16.4547

■ 12.6599, 18.6554,
17.5723

■ 13.6781, 19.1553,
18.7481

■ 14.9147, 19.7667,
19.9835

■ 16.3830, 20.4965,
21.2797

■ 18.0953, 21.3509,
22.6378

■ 20.0628, 22.3358,
24.0591

Harmonies

Analogous

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



12.0137, 17.5832, 7.1764



10.4079, 17.5832, 13.4350



10.3092, 17.5832, 24.5282

Triad

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



10.4079, 17.5832, 13.4350



18.4991, 17.5832, 49.4280



22.9547, 17.5832, 7.7428

Complementary

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



10.4079, 17.5832, 13.4350



10.0397, 5.1335, 2.3820

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.



25.3337, 17.5832, 14.6135



10.4079, 17.5832, 13.4350



22.4995, 17.5832, 40.0541

Square

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



10.4079, 17.5832, 13.4350



14.5770, 17.5832, 48.7000



25.1550, 17.5832, 26.2797



19.0465, 17.5832, 4.9003

Rectangle

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



10.4079, 17.5832, 13.4350



11.0816, 17.5832, 33.7560



25.1550, 17.5832, 26.2797



23.9856, 17.5832, 9.5081

Sweetspot

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



10.4084, 17.5839, 13.4354



29.1430, 36.6069, 37.9430



9.2593, 17.2249, 2.8370



6.3453, 8.1376, 8.3591



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



10.4084, 17.5839, 13.4354



18.5674, 31.4596, 23.6851



9.4296, 12.0850, 24.0267



4.7450, 5.2562, 5.6682



9.9172, 16.7497, 12.8155



0.0376, 0.0593, 0.0612

Inverse Universe

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



10.0397, 5.1335, 2.3820



17.9164, 9.1676, 3.9399



10.0562, 5.7527, 0.5806



4.7246, 4.7095, 5.1621



9.5657, 4.8906, 2.2852



0.0360, 0.0181, 0.0231

Previews

White Background



This preview shows how the XYZ color 10.4079, 17.5832, 13.4350 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 10.4079, 17.5832, 13.4350 looks on a black 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

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

XYZ 10.4079, 17.5832, 13.4350

Background



This preview shows how black text looks on a background with the XYZ color 10.4079, 17.5832, 13.4350.



This preview shows how white text looks on a background with the XYZ color 10.4079, 17.5832,

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

10.4079, 17.5832, 13.4350

Protanopia

16.2373, 17.4478, 11.3161

Deuteranopia

17.7192, 17.4757, 14.2436



Tritanopia

13.2155, 17.5492, 26.7356

Trichromacy



Original Color

10.4079, 17.5832, 13.4350



Protanomaly

11.9872, 16.3026, 11.9661



Deuteranomaly

12.6205, 16.2273, 13.7763



Tritanomaly

11.8420, 17.3525, 21.1376

Monochromacy



Original Color

10.4079, 17.5832, 13.4350



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

8.6272, 11.7283, 11.7066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4079, 17.5832, 13.4350 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, 133, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 133, 94)  
}
```

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, 133, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 133, 94) }
```

Border

The CSS property to change the border of an element to XYZ 10.4079, 17.5832, 13.4350 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, 133, 94) }
```


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

```
.border{ border-color:rgb(0, 133, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 133, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 133, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 133, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 133, 94)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.4079, 17.5832, 13.4350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 133, 94) }
```

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

```
.background{ background-color: rgb(0, 133,  
94) }
```

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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