

Converting Colors

XYZ(5.5264, 15.5681, 10.3991)

Have a look what the booklet for
XYZ(5.5264, 15.5681, 10.3991)
contains.

XYZ(10.1119, 17.9071, 10.5129)	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(10.1119, 17.9071,
10.5129)**

Conversions

Conversions Part 1

Format	Color
Hex	008750
RGB	0, 135, 80
RGB Percent	0%, 53%, 31%
CMY	1.0000, 0.4706, 0.6863
CMYK	1.00, 0.00, 0.41, 0.47
HSL	156°, 100%, 26%
HSV	156°, 100%, 53%
XYZ	10.1119, 17.9071, 10.5129
YIQ	88.3650, -62.8050, -45.7250

Conversions

Conversions Part 2

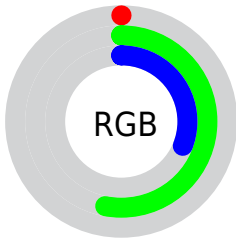
Format	Color
RYB	0, 85, 135
Decimal	34640
CIELab	49.38, -44.90, 20.98
CIELCh	49, 49.563, 154.960
Yxy	17.9071, 0.2624, 0.4647
Android (android.graphics.Color)	4278224720 (0xFF008750)
YUV	88.3650, -4.1239, -77.4961
Hunter-Lab	42.3168, -31.4005, 14.8921

Details

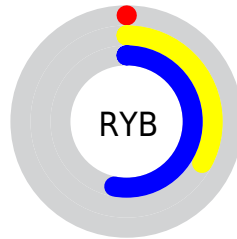
The XYZ color **10.1119, 17.9071, 10.5129** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.6818, 5.4270, 4.0994**, and the grayscale version is **9.3747, 9.8629, 10.7407**.

A 20% lighter version of the original color is **25.6202, 39.7562, 27.4425**, and **3.4591, 6.4561, 2.5772** is the 20% darker color. If you saturate the color by 10%, you get **10.1123, 17.9078, 10.5131**, and if you desaturate by 10%, it is **10.4975, 18.0819, 11.6361**.

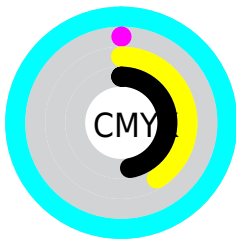
Distribution



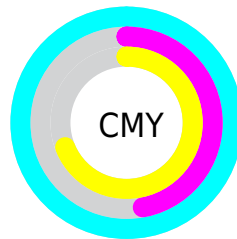
- Red (0%)
- Green (53%)
- Blue (31%)



- Red (0%)
- Yellow (33%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (41%)
- Black (47%)





- Cyan (100%)
- Magenta (47%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.1119, 17.9071, 10.5129 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 10.1119, 17.9071, 10.5129 by changing the saturation by 10% instead.


 10.1119, 17.9071,
10.5129


 10.1119, 17.9071,
10.5129

185.5058,
240.3469, 204.9106

 5.5360, 10.8833,
5.6303


 25.6535, 39.8790,
27.3786


 2.6030, 5.9884,
2.5565

 37.3500, 55.5958,
40.1988


 0.9475, 2.8380,
0.8699

 52.1508, 74.9792,
56.5019

 0.0000, 1.0478,
0.0000

 70.4211, 98.4134,
76.7065

 0.0000, 0.0000,
0.0000

 92.5265, 126.2829,
101.2311

 118.8321,

158.9720, 130.4943

149.7035,
196.8652, 164.9146

■ 10.1119, 17.9071,
10.5129

■ 10.1119, 17.9071,
10.5129

■ 10.1123, 17.9078,
10.5131

■ 10.4975, 18.0819,
11.6361

■ 11.0048, 18.3170,
12.8535

■ 11.6936, 18.6437,
14.1702

■ 12.5842, 19.0723,
15.5891

■ 13.6941, 19.6119,
17.1127

■ 15.0388, 20.2704,
18.7436

■ 16.6323, 21.0550,
20.4841

■ 18.4875, 21.9724,
22.3365

■ 20.6164, 23.0285,
24.3031

Harmonies

Analogous

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



12.3758, 17.9071, 5.1035



10.1119, 17.9071, 10.5129



9.5500, 17.9071, 21.8070

Triad

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



10.1119, 17.9071, 10.5129



17.8084, 17.9071, 57.9794



25.4911, 17.9071, 8.1624

Complementary

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



10.1119, 17.9071, 10.5129



10.6818, 5.4270, 4.0994

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.



27.6251, 17.9071, 17.3577



10.1119, 17.9071, 10.5129



22.7015, 17.9071, 49.0808

Square

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



10.1119, 17.9071, 10.5129



13.4954, 17.9071, 53.3115



26.5210, 17.9071, 32.5336



21.1107, 17.9071, 4.2466

Rectangle

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



10.1119, 17.9071, 10.5129



10.1082, 17.9071, 32.4881



26.5210, 17.9071, 32.5336



26.5281, 17.9071, 10.5344

Sweetspot

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



10.1124, 17.9078, 10.5133



29.5774, 37.6021, 36.4654



10.3094, 18.1766, 2.9652



6.5975, 8.5839, 8.1758



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



10.1124, 17.9078, 10.5133



18.0277, 32.0359, 18.4009



11.5500, 16.1027, 25.4219



4.7234, 5.2476, 5.5548



9.3312, 16.5153, 9.7293



0.0360, 0.0587, 0.0528

Inverse Universe

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



10.6818, 5.4270, 4.0994



19.0526, 9.6881, 6.9429



10.1147, 5.3963, 0.5086



4.7454, 4.7178, 5.2715



9.8558, 5.0067, 3.8132



0.0376, 0.0187, 0.0315

Previews

White Background



This preview shows how the XYZ color 10.1119, 17.9071, 10.5129 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



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 10.1119, 17.9071, 10.5129

Background



This preview shows how black text looks on a background with the XYZ color 10.1119, 17.9071, 10.5129.



This preview shows how white text looks on a background with the XYZ color 10.1119, 17.9071,

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

10.1119, 17.9071, 10.5129

Protanopia

16.4660, 17.7928, 8.8698

Deuteranopia

17.9151, 17.6475, 11.0564



Tritanopia

13.5732, 17.9263, 26.7895

Trichromacy



Original Color

10.1119, 17.9071, 10.5129



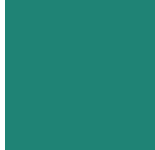
Protanomaly

11.9055, 16.6864, 9.4308



Deuteranomaly

12.3023, 16.1322, 10.6490



Tritanomaly

11.8923, 17.8083, 19.6402

Monochromacy



Original Color

10.1119, 17.9071, 10.5129



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

8.3222, 11.5998, 10.3947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1119, 17.9071, 10.5129 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, 135, 80)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 80)  
}
```

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, 135, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 80) }
```

Border

The CSS property to change the border of an element to XYZ 10.1119, 17.9071, 10.5129 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, 135, 80) }
```


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

```
.border{ border-color:rgb(0, 135, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 80);  
box-shadow:4px 4px 4px 4px rgb(0, 135, 80)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.1119, 17.9071, 10.5129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 80) }
```

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

```
.background{ background-color: rgb(0, 135,  
80) }
```

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