

Converting Colors

XYZ(9.5860, 18.6764, 10.9624)

Have a look what the booklet for
XYZ(9.5860, 18.6764, 10.9624)
contains.

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Color

**XYZ(10.8633, 19.3502,
10.9470)**

Conversions

Conversions Part 1

Format	Color
Hex	008C51
RGB	0, 140, 81
RGB Percent	0%, 55%, 32%
CMY	1.0000, 0.4510, 0.6823
CMYK	1.00, 0.00, 0.42, 0.45
HSL	155°, 100%, 27%
HSV	155°, 100%, 55%
XYZ	10.8633, 19.3502, 10.9470
YIQ	91.4140, -64.5010, -48.0290

Conversions

Conversions Part 2

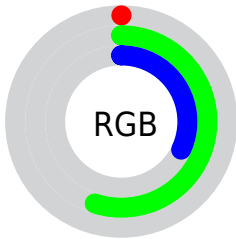
Format	Color
RYB	0, 89, 140
Decimal	35921
CIELab	51.09, -46.55, 22.68
CIELCh	51, 51.783, 154.023
Yxy	19.3502, 0.2639, 0.4701
Android (android.graphics.Color)	4278226001 (0xFF008C51)
YUV	91.4140, -5.1341, -80.1701
Hunter-Lab	43.9889, -32.8989, 16.0374

Details

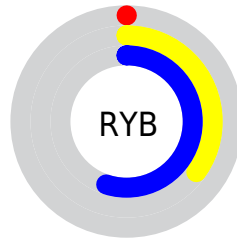
The XYZ color **10.8633, 19.3502, 10.9470** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.6054, 5.8917, 4.6647**, and the grayscale version is **10.0611, 10.5851, 11.5271**.

A 20% lighter version of the original color is **27.0915, 42.4627, 28.2410**, and **3.7931, 7.1008, 2.7608** is the 20% darker color. If you saturate the color by 10%, you get **10.8635, 19.3508, 10.9466**, and if you desaturate by 10%, it is **11.2760, 19.5368, 12.1726**.

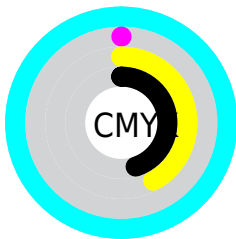
Distribution



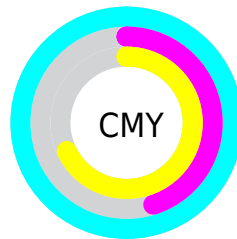
- Red (0%)
- Green (55%)
- Blue (32%)



- Red (0%)
- Yellow (35%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (42%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.8633, 19.3502, 10.9470 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 10.8633, 19.3502, 10.9470 by changing the saturation by 10% instead.


 10.8633, 19.3502,
10.9470


 10.8633, 19.3502,
10.9470


190.6550,
248.3753, 208.0279


 6.0416, 11.9236,
5.9175


 27.0423, 42.3250,
28.1973


 2.9113, 6.6917,
2.7270


 39.1303, 58.6420,
41.2551


 1.1070, 3.2700,
0.9570

 54.3712, 78.6913,
57.8261

 0.0310, 1.2743,
0.0000

 73.1302, 102.8572,
78.3289

 0.0000, 0.1212,
0.0000

 95.7727, 131.5242,
103.1819

 0.0000, 0.0000,
0.0000

 122.6641,

165.0766, 132.8037

154.1698,
203.8988, 167.6129

■ 10.8633, 19.3502,
10.9470

■ 10.8633, 19.3502,
10.9470

■ 10.8635, 19.3508,
10.9466

■ 11.2760, 19.5368,
12.1726

■ 11.8246, 19.7906,
13.5069

■ 12.5716, 20.1445,
14.9558

■ 13.5394, 20.6097,
16.5225

■ 14.7470, 21.1961,
18.2102

■ 16.2116, 21.9125,
20.0218

■ 17.9485, 22.7668,
21.9601

■ 19.9718, 23.7663,
24.0278

■ 22.2948, 24.9175,
26.2275

Harmonies

Analogous

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



13.3993, 19.3502, 5.2429



10.8633, 19.3502, 10.9470



10.1921, 19.3502, 23.1170

Triad

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



10.8633, 19.3502, 10.9470



19.0936, 19.3502, 63.7729



27.8554, 19.3502, 8.8720

Complementary

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



10.8633, 19.3502, 10.9470



11.6054, 5.8917, 4.6647

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.



30.1121, 19.3502, 19.1458



10.8633, 19.3502, 10.9470



24.4919, 19.3502, 54.2962

Square

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



10.8633, 19.3502, 10.9470



14.3949, 19.3502, 58.1134



28.7795, 19.3502, 36.0511



23.0674, 19.3502, 4.4962

Rectangle

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



10.8633, 19.3502, 10.9470



10.7634, 19.3502, 34.8143



28.7795, 19.3502, 36.0511



28.9719, 19.3502, 11.5221

Sweetspot

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



10.8638, 19.3510, 10.9474



31.4322, 40.0339, 38.4900



11.2829, 19.7386, 3.2156



6.9694, 9.0902, 8.5709



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



10.8638, 19.3510, 10.9474



19.0708, 34.0828, 18.8696



12.8059, 18.0375, 27.6184



5.0852, 5.6536, 5.9695



9.6624, 17.1975, 9.7787



0.0715, 0.1172, 0.1036

Inverse Universe

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



11.6054, 5.8917, 4.6647



20.3829, 10.3559, 7.8177



10.9170, 5.7785, 0.5403



5.1146, 5.0813, 5.6920



10.3208, 5.2384, 4.1938



0.0756, 0.0376, 0.0650

Previews

White Background



This preview shows how the XYZ color 10.8633, 19.3502, 10.9470 looks on a white 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

Black Background



This preview shows how the XYZ color 10.8633, 19.3502, 10.9470 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 10.8633, 19.3502, 10.9470

Background



This preview shows how black text looks on a background with the XYZ color 10.8633, 19.3502, 10.9470.



This preview shows how white text looks on a background with the XYZ color 10.8633, 19.3502,

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

10.8633, 19.3502, 10.9470

Protanopia

17.5891, 19.0747, 9.2333

Deuteranopia

19.4673, 19.1082, 11.6790



Tritanopia

14.7107, 19.4620, 28.9678

Trichromacy



Original Color

10.8633, 19.3502, 10.9470



Protanomaly

12.7149, 17.8590, 9.7982



Deuteranomaly

13.3869, 17.5984, 11.2856



Tritanomaly

12.7900, 19.2715, 20.8150

Monochromacy



Original Color

10.8633, 19.3502, 10.9470



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

8.9339, 12.5249, 10.9635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8633, 19.3502, 10.9470 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, 140, 81)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 81)  
}
```

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, 140, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 81) }
```

Border

The CSS property to change the border of an element to XYZ 10.8633, 19.3502, 10.9470 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, 140, 81) }
```


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

```
.border{ border-color:rgb(0, 140, 81) }
```

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

Here you see how a box with a 4 pixel rgb(0, 140, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 81);  
box-shadow:4px 4px 4px 4px rgb(0, 140, 81)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.8633, 19.3502, 10.9470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 81) }
```

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

```
.background{ background-color: rgb(0, 140,  
81) }
```

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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