

Converting Colors

XYZ(5.9168, 17.0114, 9.6715)

Have a look what the booklet for
XYZ(5.9168, 17.0114, 9.6715)
contains.

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Color

**XYZ(10.7949, 19.5578,
9.8627)**

Conversions

Conversions Part 1

Format	Color
Hex	008D4B
RGB	0, 141, 75
RGB Percent	0%, 55%, 29%
CMY	1.0000, 0.4470, 0.7059
CMYK	1.00, 0.00, 0.47, 0.45
HSL	152°, 100%, 28%
HSV	152°, 100%, 55%
XYZ	10.7949, 19.5578, 9.8627
YIQ	91.3170, -62.8500, -50.4180

Conversions

Conversions Part 2

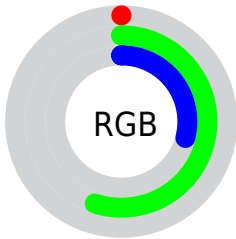
Format	Color
RYB	0, 92, 141
Decimal	36171
CIELab	51.33, -48.09, 26.27
CIELCh	51, 54.800, 151.353
Yxy	19.5578, 0.2684, 0.4863
Android (android.graphics.Color)	4278226251 (0xFF008D4B)
YUV	91.3170, -8.0443, -80.0850
Hunter-Lab	44.2242, -33.8214, 17.7343

Details

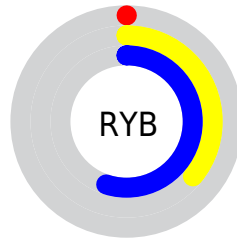
The XYZ color **10.7949, 19.5578, 9.8627** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.9686, 6.0565, 5.6934**, and the grayscale version is **10.0448, 10.5679, 11.5085**.

A 20% lighter version of the original color is **27.0089, 42.7995, 26.2397**, and **3.7941, 7.2335, 2.3586** is the 20% darker color. If you saturate the color by 10%, you get **10.7952, 19.5585, 9.8627**, and if you desaturate by 10%, it is **11.2159, 19.7479, 11.1241**.

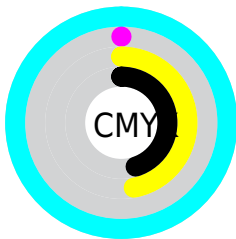
Distribution



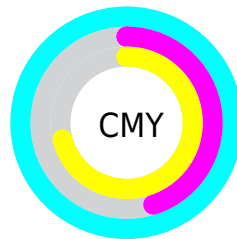
- Red (0%)
- Green (55%)
- Blue (29%)



- Red (0%)
- Yellow (36%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.7949, 19.5578, 9.8627 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 10.7949, 19.5578, 9.8627 by changing the saturation by 10% instead.


 10.7949, 19.5578,
9.8627


 10.7949, 19.5578,
9.8627


190.1925,
249.5111, 200.1384


 5.9954, 12.0740,
5.2036


 26.9166, 42.6745,
26.1407


 2.8829, 6.7941,
2.3064


 38.9695, 59.0763,
38.5967


 1.0921, 3.3337,
0.7348

 54.1708, 79.2195,
54.4887

 0.0185, 1.3083,
0.0000

 72.8861, 103.4886,
74.2353

 0.0000, 0.1476,
0.0000

 95.4805, 132.2678,
98.2550

 0.0000, 0.0000,
0.0000

 122.3194,

165.9418, 126.9664

153.7683,
204.8947, 160.7880

■ 10.7949, 19.5578,
9.8627

■ 10.7949, 19.5578,
9.8627

■ 10.7952, 19.5585,
9.8627

■ 11.2159, 19.7479,
11.1241

■ 11.7797, 20.0083,
12.5177

■ 12.5493, 20.3719,
14.0503

■ 13.5477, 20.8505,
15.7263

■ 14.7947, 21.4543,
17.5497

■ 16.3077, 22.1922,
19.5244

■ 18.1026, 23.0722,
21.6541

■ 20.1940, 24.1018,
23.9424

■ 22.5953, 25.2880,
26.3927

Harmonies

Analogous

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



13.6309, 19.5578, 4.5285



10.7949, 19.5578, 9.8627



9.9243, 19.5578, 22.0153

Triad

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



10.7949, 19.5578, 9.8627



18.8389, 19.5578, 67.9085



29.1092, 19.5578, 9.1426

Complementary

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



10.7949, 19.5578, 9.8627



11.9686, 6.0565, 5.6934

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.



31.2281, 19.5578, 20.5909



10.7949, 19.5578, 9.8627



24.6238, 19.5578, 58.8244

Square

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



10.7949, 19.5578, 9.8627



13.9842, 19.5578, 60.2377



29.4458, 19.5578, 39.2710



24.1079, 19.5578, 4.2795

Rectangle

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



10.7949, 19.5578, 9.8627



10.4056, 19.5578, 34.2711



29.4458, 19.5578, 39.2710



30.2218, 19.5578, 12.0938

Sweetspot

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



10.7954, 19.5586, 9.8632



32.1938, 41.2070, 38.5222



11.9199, 20.2850, 3.2873



6.9148, 9.0683, 8.2837



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.



10.7954, 19.5586, 9.8632



19.2459, 34.9904, 17.2100



13.9904, 20.2880, 28.3789



5.4552, 6.0743, 6.3630



9.8509, 17.8362, 9.0350



0.1053, 0.1750, 0.1451

Inverse Universe

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



11.9686, 6.0565, 5.6934



21.3489, 10.8120, 9.7538



11.0105, 5.7141, 0.5228



5.5073, 5.4635, 6.1697



10.9204, 5.5252, 5.2322



0.1154, 0.0572, 0.1078

Previews

White Background



This preview shows how the XYZ color 10.7949, 19.5578, 9.8627 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 10.7949, 19.5578, 9.8627 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 10.7949, 19.5578, 9.8627

Background



This preview shows how black text looks on a background with the XYZ color 10.7949, 19.5578, 9.8627.



This preview shows how white text looks on a background with the XYZ color 10.7949, 19.5578,

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

10.7949, 19.5578, 9.8627

Protanopia

17.8344, 19.4048, 8.2744

Deuteranopia

19.5847, 19.1959, 10.4575



Tritanopia

14.8898, 19.5456, 29.3735

Trichromacy



Original Color

10.7949, 19.5578, 9.8627



Protanomaly

12.7339, 18.0867, 8.7812



Deuteranomaly

13.2591, 17.5589, 10.0875



Tritanomaly

12.7936, 19.2803, 20.4999

Monochromacy



Original Color

10.7949, 19.5578, 9.8627



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

8.8533, 12.4927, 10.5390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7949, 19.5578, 9.8627 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, 141, 75)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 75)  
}
```

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, 141, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 75) }
```

Border

The CSS property to change the border of an element to XYZ 10.7949, 19.5578, 9.8627 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, 141, 75) }
```


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

```
.border{ border-color:rgb(0, 141, 75) }
```

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

Here you see how a box with a 4 pixel rgb(0, 141, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 75);  
box-shadow:4px 4px 4px 4px rgb(0, 141, 75)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.7949, 19.5578, 9.8627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 75) }
```

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

```
.background{ background-color: rgb(0, 141,  
75) }
```

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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