

Converting Colors

XYZ(10.0909, 19.2479, 5.4919)

Have a look what the booklet for
XYZ(10.0909, 19.2479, 5.4919)
contains.

XYZ(10.1125, 19.3023, 5.4782)	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(10.1125, 19.3023,
5.4782)**

Conversions

Conversions Part 1

Format	Color
Hex	0C8D2B
RGB	12, 141, 43
RGB Percent	5%, 55%, 17%
CMY	0.9529, 0.4470, 0.8314
CMYK	0.91, 0.00, 0.70, 0.45
HSL	134°, 84%, 30%
HSV	134°, 91%, 55%
XYZ	10.1125, 19.3023, 5.4782
YIQ	91.2570, -45.4260, -57.8260

Conversions

Conversions Part 2

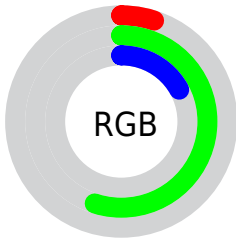
Format	Color
RYB	12, 116, 141
Decimal	822571
CIELab	51.04, -52.04, 41.75
CIELCh	51, 66.715, 141.259
Yxy	19.3023, 0.2898, 0.5532
Android (android.graphics.Color)	4279012651 (0xFF0C8D2B)
YUV	91.2570, -23.7907, -69.5084
Hunter-Lab	43.9344, -35.7993, 23.3612

Details

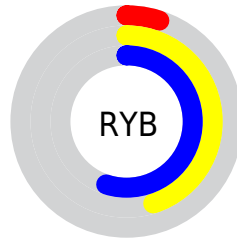
The XYZ color **10.1125, 19.3023, 5.4782** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **13.9308, 7.0517, 15.3785**, and the grayscale version is **10.0628, 10.5868, 11.5290**.

A 20% lighter version of the original color is **25.6908, 42.3142, 17.4031**, and **3.5724, 7.1448, 1.1908** is the 20% darker color. If you saturate the color by 10%, you get **9.8124, 19.1653, 4.6870**, and if you desaturate by 10%, it is **10.6130, 19.5351, 6.6663**.

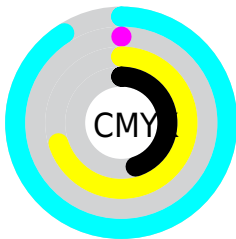
Distribution



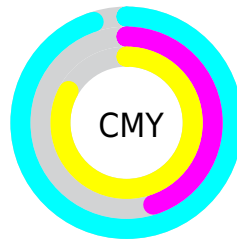
- Red (5%)
- Green (55%)
- Blue (17%)



- Red (5%)
- Yellow (45%)
- Blue (55%)



- Cyan (91%)
- Magenta (0%)
- Yellow (70%)
- Black (45%)





- Cyan (95%)
- Magenta (45%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.1125, 19.3023, 5.4782 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 10.1125, 19.3023, 5.4782 by changing the saturation by 10% instead.


 10.1125, 19.3023,
5.4782


 10.1125, 19.3023,
5.4782


185.5100,
248.1126, 163.4604


 5.5365, 11.8889,
2.4669


 25.6546, 42.2443,
17.2964


 2.6033, 6.6681,
0.8225


 37.3515, 58.5417,
26.9404


 0.9476, 3.2554,
0.0000

 52.1526, 78.5692,
39.6323

 0.0000, 1.2665,
0.0000

 70.4233, 102.7113,
55.7908

 0.0000, 0.1150,
0.0000

 92.5291, 131.3522,
75.8343

 0.0000, 0.0000,
0.0000

 118.8352,

164.8765, 100.1813

149.7071,
203.6685, 129.2505

■ 10.1125, 19.3023,
5.4782

■ 10.1125, 19.3023,
5.4782

■ 9.8124, 19.1653,
4.6870

■ 10.6130, 19.5351,
6.6663

■ 11.3457, 19.8807,
8.1537

■ 12.3375, 20.3530,
9.9596

■ 13.6108, 20.9634,
12.1012

■ 15.1859, 21.7218,
14.5945

■ 17.0808, 22.6373,
17.4543

■ 19.3123, 23.7183,
20.6947

■ 21.8960, 24.9724,
24.3290

■ 24.8463, 26.4070,
28.3698

Harmonies

Analogous

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



14.1137, 19.3023, 2.0736



10.1125, 19.3023, 5.4782



8.4346, 19.3023, 15.9573

Triad

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



10.1125, 19.3023, 5.4782



16.4821, 19.3023, 81.4103



32.9198, 19.3023, 10.3904

Complementary

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



10.1125, 19.3023, 5.4782



13.9308, 7.0517, 15.3785

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.



33.9901, 19.3023, 27.0468



10.1125, 19.3023, 5.4782



23.3502, 19.3023, 76.4491

Square

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



10.1125, 19.3023, 5.4782



11.4876, 19.3023, 64.0999



30.1498, 19.3023, 53.0087



27.5029, 19.3023, 3.4928

Rectangle

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



10.1125, 19.3023, 5.4782



8.4925, 19.3023, 28.9532



30.1498, 19.3023, 53.0087



33.8441, 19.3023, 14.6821

Sweetspot

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



10.1130, 19.3031, 5.4786



32.0773, 41.2592, 33.4435



16.1348, 22.4502, 3.8307



6.9124, 9.0933, 7.1002



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.



10.1130, 19.3031, 5.4786



17.5145, 34.2978, 8.0922



12.3098, 20.1818, 17.0470



5.3927, 6.0493, 6.0339



8.9522, 17.4768, 4.3025



0.0931, 0.1701, 0.0807

Inverse Universe

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



13.9308, 7.0517, 15.3785



24.3665, 12.0190, 25.6443



11.6175, 6.1263, 3.1965



5.5716, 5.4892, 6.5081



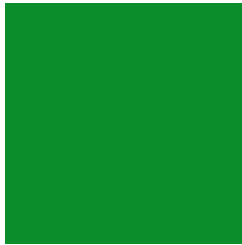
12.4474, 6.1360, 13.2735



0.1276, 0.0621, 0.1721

Previews

White Background



This preview shows how the XYZ color 10.1125, 19.3023, 5.4782 looks on a white background.

Color Contrast Check

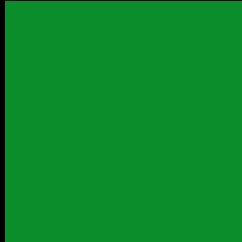
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.1125, 19.3023, 5.4782 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 10.1125, 19.3023, 5.4782

Background



This preview shows how black text looks on a background with the XYZ color 10.1125, 19.3023, 5.4782.



This preview shows how white text looks on a background with the XYZ color 10.1125, 19.3023,

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

10.1125, 19.3023, 5.4782

Protanopia

17.1789, 18.9656, 4.5890

Deuteranopia

19.3282, 18.9934, 5.8962



Tritanopia

14.8787, 19.3551, 28.5429

Trichromacy



Original Color

10.1125, 19.3023, 5.4782



Protanomaly

12.3186, 17.7652, 4.7873



Deuteranomaly

13.0176, 17.3464, 5.5678



Tritanomaly

12.1799, 18.8400, 16.6302

Monochromacy



Original Color

10.1125, 19.3023, 5.4782



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

8.6913, 12.4558, 8.4247

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1125, 19.3023, 5.4782 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(12, 141, 43)` looks like.

```
.text, #text, p{  
    color:rgb(12, 141, 43)  
}
```

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(12, 141, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 141, 43) }
```

Border

The CSS property to change the border of an element to XYZ 10.1125, 19.3023, 5.4782 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(12, 141, 43) }
```


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

```
.border{ border-color:rgb(12, 141, 43) }
```

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

Here you see how a box with a 4 pixel rgb(12, 141, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 141, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 141, 43);  
box-shadow:4px 4px 4px 4px rgb(12, 141,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1125, 19.3023, 5.4782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 141, 43) }
```

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

```
.background{ background-color: rgb(12, 141,  
43) }
```

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