

Converting Colors

XYZ(10.5554, 19.8492, 5.0155)

Have a look what the booklet for
XYZ(10.5554, 19.8492, 5.0155)
contains.

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Color

**XYZ(10.4858, 19.7264,
5.0052)**

Conversions

Conversions Part 1

Format	Color
Hex	1C8E25
RGB	28, 142, 37
RGB Percent	11%, 56%, 15%
CMY	0.8902, 0.4431, 0.8549
CMYK	0.80, 0.00, 0.74, 0.44
HSL	125°, 67%, 33%
HSV	125°, 80%, 56%
XYZ	10.4858, 19.7264, 5.0052
YIQ	95.9440, -34.2390, -56.8230

Conversions

Conversions Part 2

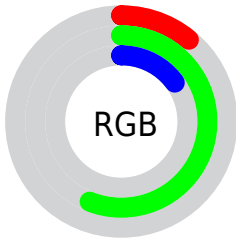
Format	Color
R_{YB}	28, 134, 142
Decimal	1871397
CIE Lab	51.53, -51.26, 44.78
CIE LCh	52, 68.063, 138.858
Yxy	19.7264, 0.2977, 0.5601
Android (android.graphics.Color)	4280061477 (0xFF1C8E25)
YUV	95.9440, -29.0594, -59.5869
Hunter-Lab	44.4144, -35.5832, 24.4085

Details

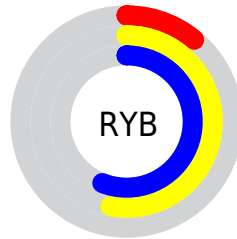
The XYZ color **10.4858, 19.7264, 5.0052** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **15.8046, 8.2750, 22.9542**, and the grayscale version is **11.1793, 11.7615, 12.8083**.

A 20% lighter version of the original color is **26.3855, 43.0335, 16.3668**, and **3.6562, 7.3123, 1.2187** is the 20% darker color. If you saturate the color by 10%, you get **10.0155, 19.5041, 4.0969**, and if you desaturate by 10%, it is **11.2140, 20.0742, 6.3107**.

Distribution



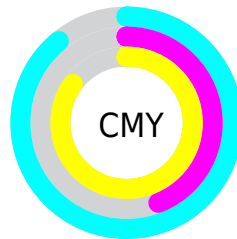
- Red (11%)
- Green (56%)
- Blue (15%)



- Red (11%)
- Yellow (53%)
- Blue (56%)



- Cyan (80%)
- Magenta (0%)
- Yellow (74%)
- Black (44%)





- Cyan (89%)
- Magenta (44%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.4858, 19.7264, 5.0052 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 10.4858, 19.7264, 5.0052 by changing the saturation by 10% instead.


 10.4858, 19.7264,
5.0052


 10.4858, 19.7264,
5.0052


188.0871,
250.4301, 158.8171

 5.7870, 12.1963,
2.1915


 26.3468, 42.9580,
16.2687


 2.7554, 6.8775,
0.6695


 38.2396, 59.4283,
25.5556


 1.0258, 3.3856,
0.0000

 53.2612, 79.6475,
37.8373

 0.0000, 1.3362,
0.0000

 71.7768, 103.9999,
53.5324

 0.0000, 0.1690,
0.0000

 94.1519, 132.8700,
73.0594

 0.0000, 0.0000,
0.0000

 120.7517,

166.6421, 96.8368

151.9416,
205.7007, 125.2832

■ 10.4858, 19.7264,
5.0052

■ 10.4858, 19.7264,
5.0052

■ 10.0155, 19.5041,
4.0969

■ 11.2140, 20.0742,
6.3107

■ 9.7350, 19.3714,
3.5491

■ 12.2285, 20.5598,
8.0503

■ 13.5556, 21.1965,
10.2582

■ 15.2183, 21.9954,
12.9651

■ 17.2372, 22.9667,
16.1986

■ 19.6315, 24.1197,
19.9847

■ 22.4188, 25.4629,
24.3475

■ 25.6157, 27.0045,
29.3097

■ 29.2379, 28.7519,
34.8928

Harmonies

Analogous

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



14.8110, 19.7264, 1.9154



10.4858, 19.7264, 5.0052



8.5785, 19.7264, 14.9909

Triad

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



10.4858, 19.7264, 5.0052



16.3208, 19.7264, 83.6922



34.1542, 19.7264, 11.4585

Complementary

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



10.4858, 19.7264, 5.0052



15.8046, 8.2750, 22.9542

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.



34.8422, 19.7264, 29.6110



10.4858, 19.7264, 5.0052



23.3304, 19.7264, 80.4849

Square

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



10.4858, 19.7264, 5.0052



11.3586, 19.7264, 64.1702



30.5017, 19.7264, 57.0174



28.8029, 19.7264, 3.7667

Rectangle

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



10.4858, 19.7264, 5.0052



8.5246, 19.7264, 27.8176



30.5017, 19.7264, 57.0174



34.9799, 19.7264, 16.1843

Sweetspot

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



10.4863, 19.7272, 5.0056



32.7538, 41.6339, 32.3028



19.7788, 24.5320, 4.7914



7.0232, 9.1582, 6.7520



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.



10.4863, 19.7272, 5.0056



17.2873, 34.2175, 6.4159



12.1105, 20.3769, 13.5585



5.3591, 6.0359, 5.8569



8.7434, 17.3932, 3.2032



0.0863, 0.1674, 0.0451

Inverse Universe

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



15.8046, 8.2750, 22.9542



26.9767, 13.1906, 38.9960



12.9248, 7.1231, 7.7894



5.6081, 5.5038, 6.7005



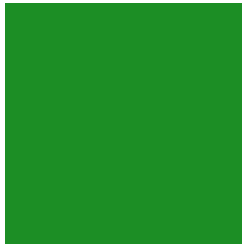
13.6841, 6.6307, 19.7858



0.1344, 0.0648, 0.2078

Previews

White Background



This preview shows how the XYZ color 10.4858, 19.7264, 5.0052 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 10.4858, 19.7264, 5.0052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

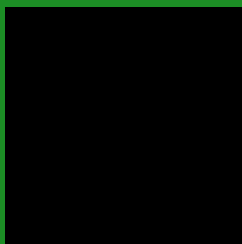
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 10.4858, 19.7264, 5.0052

Background



This preview shows how black text looks on a background with the XYZ color 10.4858, 19.7264, 5.0052.



This preview shows how white text looks on a background with the XYZ color 10.4858, 19.7264,

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

10.4858, 19.7264, 5.0052

Protanopia

17.5368, 19.3417, 4.1755

Deuteranopia

19.7074, 19.3714, 5.3897



Tritanopia

15.2591, 19.5425, 28.9544

Trichromacy



Original Color

10.4858, 19.7264, 5.0052



Protanomaly

13.0688, 18.3574, 4.3679



Deuteranomaly

13.8331, 17.9674, 5.0245



Tritanomaly

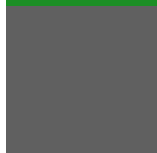
12.6182, 19.2859, 16.1542

Monochromacy



Original Color

10.4858, 19.7264, 5.0052



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

9.7737, 13.6578, 8.7777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4858, 19.7264, 5.0052 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(28, 142, 37)` looks like.

```
.text, #text, p{  
    color:rgb(28, 142, 37)  
}
```

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(28, 142, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 142, 37) }
```

Border

The CSS property to change the border of an element to XYZ 10.4858, 19.7264, 5.0052 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(28, 142, 37) }
```


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

```
.border{ border-color:rgb(28, 142, 37) }
```

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

Here you see how a box with a 4 pixel rgb(28, 142, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 142, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 142, 37);  
box-shadow:4px 4px 4px 4px rgb(28, 142,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 10.4858, 19.7264, 5.0052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 142, 37) }
```

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

```
.background{ background-color: rgb(28, 142,  
37) }
```

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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