

Converting Colors

XYZ(10.1596, 19.0016, 2.7450)

Have a look what the booklet for
XYZ(10.1596, 19.0016, 2.7450)
contains.

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Color

**XYZ(10.1875, 18.9575,
3.1222)**

Conversions

Conversions Part 1

Format	Color
Hex	2A8B00
RGB	42, 139, 0
RGB Percent	16%, 55%, 0%
CMY	0.8353, 0.4549, 1.0000
CMYK	0.70, 0.00, 1.00, 0.45
HSL	102°, 100%, 27%
HSV	102°, 100%, 55%
XYZ	10.1875, 18.9575, 3.1222
YIQ	94.1510, -13.1930, -63.7930

Conversions

Conversions Part 2

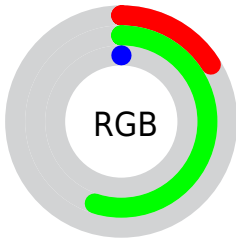
Format	Color
RYB	0, 139, 97
Decimal	2788096
CIELab	50.64, -49.72, 53.68
CIElCh	51, 73.167, 132.810
Yxy	18.9575, 0.3157, 0.5875
Android (android.graphics.Color)	4280978176 (0xFF2A8B00)
YUV	94.1510, -46.4164, -45.7364
Hunter-Lab	43.5402, -34.4301, 26.2266

Details

The XYZ color **10.1875, 18.9575, 3.1222** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **9.5914, 4.4064, 24.7721**, and the grayscale version is **10.7846, 11.3463, 12.3561**.

A 20% lighter version of the original color is **25.8984, 41.8724, 12.0274**, and **3.4082, 6.8164, 1.1361** is the 20% darker color. If you saturate the color by 10%, you get **10.1876, 18.9581, 3.1223**, and if you desaturate by 10%, it is **10.7125, 19.2197, 3.5574**.

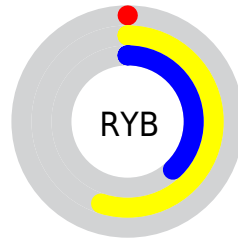
Distribution



Red (16%)

Green (55%)

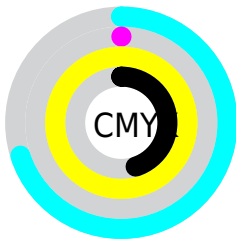
Blue (0%)



Red (0%)

Yellow (55%)

Blue (38%)

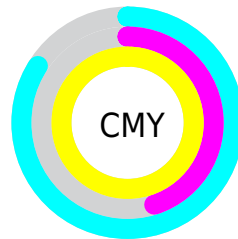


Cyan (70%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (84%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1875, 18.9575, 3.1222 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 10.1875, 18.9575, 3.1222 by changing the saturation by 10% instead.

■ 10.1875, 18.9575,
3.1222

■ 10.1875, 18.9575,
3.1222

186.0309,
246.2140, 137.9021

■ 5.5867, 11.6396,
1.1574

■ 25.7941, 41.6623,
11.9285

■ 2.6337, 6.4988,
0.0000

■ 37.5305, 57.8179,
19.6071

■ 0.9631, 3.1507,
0.0000

■ 52.3762, 77.6882,
30.0273

■ 0.0000, 1.2109,
0.0000

■ 70.6965, 101.6576,
43.6077


■ 0.0000, 0.0706,
0.0000


■ 92.8568, 130.1105,
60.7668


■ 0.0000, 0.0000,
0.0000


■ 119.2224,


163.4313, 81.9233


 150.1586,
202.0043, 107.4955


 10.1875, 18.9575,
3.1222


 10.1875, 18.9575,
3.1222


 10.1876, 18.9581,
3.1223

 10.7125, 19.2197,
3.5574

 11.3897, 19.5539,
4.2607

 12.2519, 19.9746,
5.3731

 13.3139, 20.4884,
6.9445

 14.5888, 21.1011,
9.0177

■ 16.0886, 21.8180,
11.6304

■ 17.8240, 22.6439,
14.8168

■ 19.8053, 23.5834,
18.6082

■ 22.0420, 24.6409,
23.0339

Harmonies

Analogous

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



15.1348, 18.9575, 1.1239



10.1875, 18.9575, 3.1222



7.8055, 18.9575, 11.0425

Triad

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



10.1875, 18.9575, 3.1222



14.2476, 18.9575, 85.8833



35.0568, 18.9575, 13.0746

Complementary

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



10.1875, 18.9575, 3.1222



9.5914, 4.4064, 24.7721

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.



34.6340, 18.9575, 34.6278



10.1875, 18.9575, 3.1222



21.2471, 18.9575, 87.9174

Square

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



10.1875, 18.9575, 3.1222



9.6870, 18.9575, 60.7111



29.0892, 18.9575, 65.1928



30.1256, 18.9575, 3.7673

Rectangle

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



10.1875, 18.9575, 3.1222



7.4678, 18.9575, 22.6355



29.0892, 18.9575, 65.1928



35.5676, 18.9575, 18.7682

Sweetspot

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



10.1879, 18.9583, 3.1226



31.7002, 40.4460, 26.1243



14.7391, 13.6715, 1.8623



7.0284, 9.1885, 5.5071



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.



10.1879, 18.9583, 3.1226



18.0931, 33.8718, 5.5843



9.4139, 18.5384, 4.0298



5.1047, 5.6767, 5.3791



9.2103, 17.1181, 2.8187



0.0746, 0.1207, 0.0194

Inverse Universe

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



9.5914, 4.4064, 24.7721



17.0019, 7.8007, 44.3526



13.6580, 6.6934, 16.3490



5.0892, 5.0544, 6.3132



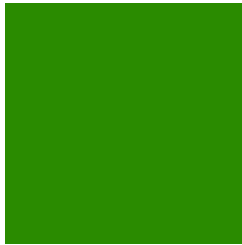
8.6738, 3.9856, 22.3578



0.0725, 0.0341, 0.1492

Previews

White Background



This preview shows how the XYZ color 10.1875, 18.9575, 3.1222 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 10.1875, 18.9575, 3.1222 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 10.1875, 18.9575, 3.1222

Background



This preview shows how black text looks on a background with the XYZ color 10.1875, 18.9575, 3.1222.



This preview shows how white text looks on a background with the XYZ color 10.1875, 18.9575,

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

10.1875, 18.9575, 3.1222

Protanopia

16.7081, 18.5838, 2.7064

Deuteranopia

19.0142, 18.7077, 3.8371



Tritanopia

15.1097, 18.8961, 27.6619

Trichromacy



Original Color

10.1875, 18.9575, 3.1222

Protanomaly

12.9562, 17.9454, 2.7810

Deuteranomaly

13.7560, 17.5924, 3.2868

Tritanomaly

12.0542, 18.4570, 12.3784

Monochromacy



Original Color

10.1875, 18.9575, 3.1222

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.2932, 12.9740, 6.2894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1875, 18.9575, 3.1222 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(42, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(42, 139, 0)  
}
```

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(42, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 139, 0) }
```

Border

The CSS property to change the border of an element to XYZ 10.1875, 18.9575, 3.1222 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(42, 139, 0) }
```


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

```
.border{ border-color:rgb(42, 139, 0) }
```

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

Here you see how a box with a 4 pixel rgb(42, 139, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(42, 139, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.1875, 18.9575, 3.1222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 139, 0) }
```

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

```
.background{ background-color: rgb(42, 139,  
0) }
```

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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