

Converting Colors

XYZ(10.6543, 19.3074, 1.5602)

Have a look what the booklet for
XYZ(10.6543, 19.3074, 1.5602)
contains.

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Color

**XYZ(10.9200, 19.3351,
3.1565)**

Conversions

Conversions Part 1

Format	Color
Hex	398B00
RGB	57, 139, 0
RGB Percent	22%, 55%, 0%
CMY	0.7765, 0.4549, 1.0000
CMYK	0.59, 0.00, 1.00, 0.45
HSL	95°, 100%, 27%
HSV	95°, 100%, 55%
XYZ	10.9200, 19.3351, 3.1565
YIQ	98.6360, -4.2530, -60.6130

Conversions

Conversions Part 2

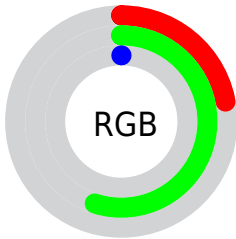
Format	Color
RYB	0, 139, 82
Decimal	3771136
CIELab	51.08, -46.05, 54.21
CIELCh	51, 71.133, 130.350
Yxy	19.3351, 0.3268, 0.5787
Android (android.graphics.Color)	4281961216 (0xFF398B00)
YUV	98.6360, -48.6275, -36.5148
Hunter-Lab	43.9717, -32.6215, 26.5241

Details

The XYZ color **10.9200, 19.3351, 3.1565** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **8.1412, 3.6588, 24.7043**, and the grayscale version is **11.8880, 12.5071, 13.6202**.

A 20% lighter version of the original color is **27.0225, 42.1226, 12.0164**, and **3.4897, 6.9794, 1.1632** is the 20% darker color. If you saturate the color by 10%, you get **10.9201, 19.3357, 3.1566**, and if you desaturate by 10%, it is **11.5050, 19.6282, 3.5945**.

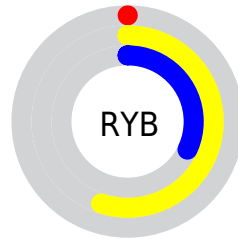
Distribution



Red (22%)

Green (55%)

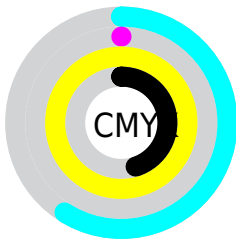
Blue (0%)



Red (0%)

Yellow (55%)

Blue (32%)

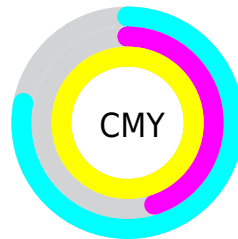


Cyan (59%)

Magenta (0%)

Yellow (100%)

Black (45%)



Cyan (78%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9200, 19.3351, 3.1565 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 10.9200, 19.3351, 3.1565 by changing the saturation by 10% instead.

■ 10.9200, 19.3351,
3.1565

■ 10.9200, 19.3351,
3.1565

191.0375,
248.2925, 138.3296

■ 6.0800, 11.9127,
1.1751

■ 27.1464, 42.2996,
12.0122

■ 2.9349, 6.6842,
0.0000

■ 39.2635, 58.6104,
19.7236

■ 1.1194, 3.2654,
0.0000

■ 54.5369, 78.6528,
30.1821

■ 0.0413, 1.2718,
0.0000

■ 73.3321, 102.8112,
43.8062


■ 0.0000, 0.1192,
0.0000


■ 96.0145, 131.4700,
61.0145


■ 0.0000, 0.0000,
0.0000


■ 122.9492,


165.0135, 82.2254


 154.5018,
203.8262, 107.8576


 10.9200, 19.3351,
3.1565


 10.9200, 19.3351,
3.1565


 10.9201, 19.3357,
3.1566

 11.5050, 19.6282,
3.5945

 12.2186, 19.9812,
4.2995

 13.0910, 20.4072,
5.4125

 14.1347, 20.9116,
6.9831

 15.3606, 21.4990,
9.0539

■ 16.7786, 22.1737,
11.6628

■ 18.3977, 22.9396,
14.8438

■ 20.2262, 23.8004,
18.6282

■ 22.2722, 24.7595,
23.0449

Harmonies

Analogous

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



16.0467, 19.3351, 1.2969



10.9200, 19.3351, 3.1565



8.3345, 19.3351, 10.5050

Triad

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



10.9200, 19.3351, 3.1565



14.1831, 19.3351, 82.9198



35.2108, 19.3351, 14.8165

Complementary

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



10.9200, 19.3351, 3.1565



8.1412, 3.6588, 24.7043

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.



34.3399, 19.3351, 37.0042



10.9200, 19.3351, 3.1565



20.9236, 19.3351, 87.0526

Square

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



10.9200, 19.3351, 3.1565



9.8572, 19.3351, 57.5492



28.6327, 19.3351, 66.7036



30.7741, 19.3351, 4.5878

Rectangle

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



10.9200, 19.3351, 3.1565



7.8770, 19.3351, 21.2906



28.6327, 19.3351, 66.7036



35.5519, 19.3351, 20.8165

Sweetspot

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



10.9204, 19.3359, 3.1569



32.7430, 40.9836, 26.1731



13.5970, 11.3873, 1.4816



7.2879, 9.3223, 5.5193



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.



10.9204, 19.3359, 3.1569



19.3762, 34.5333, 5.6444



9.2970, 18.4916, 3.4141



5.1534, 5.7018, 5.3813



9.8741, 17.4603, 2.8498



0.0815, 0.1242, 0.0197

Inverse Universe

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



8.1412, 3.6588, 24.7043



14.3868, 6.4526, 44.2302



14.5062, 7.0327, 20.8154



5.0388, 5.0284, 6.3109



7.3669, 3.3119, 22.2967



0.0656, 0.0306, 0.1489

Previews

White Background



This preview shows how the XYZ color 10.9200, 19.3351, 3.1565 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 10.9200, 19.3351, 3.1565 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 10.9200, 19.3351, 3.1565

Background



This preview shows how black text looks on a background with the XYZ color 10.9200, 19.3351, 3.1565.



This preview shows how white text looks on a background with the XYZ color 10.9200, 19.3351,

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

10.9200, 19.3351, 3.1565

Protanopia

17.1539, 18.9931, 2.7619

Deuteranopia

19.3014, 19.0256, 3.8174



Tritanopia

15.8083, 19.2562, 27.6946

Trichromacy



Original Color

10.9200, 19.3351, 3.1565

Protanomaly

13.9035, 18.6265, 2.8625

Deuteranomaly

14.6530, 18.2409, 3.3208

Tritanomaly

12.7892, 18.8359, 12.4128

Monochromacy



Original Color

10.9200, 19.3351, 3.1565

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

10.5707, 14.2783, 6.9015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9200, 19.3351, 3.1565 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(57, 139, 0)` looks like.

```
.text, #text, p{  
    color:rgb(57, 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(57, 139, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 139, 0) }
```

Border

The CSS property to change the border of an element to XYZ 10.9200, 19.3351, 3.1565 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(57, 139, 0) }
```


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

```
.border{ border-color:rgb(57, 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(57, 139, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 139, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 139, 0);  
box-shadow:4px 4px 4px 4px rgb(57, 139, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.9200, 19.3351, 3.1565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 139, 0) }
```

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

```
.background{ background-color: rgb(57, 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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