

Converting Colors

XYZ(10.2605, 18.8795, 3.5366)

Have a look what the booklet for
XYZ(10.2605, 18.8795, 3.5366)
contains.

XYZ(10.3151, 19.0133, 3.5782)	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(10.3151, 19.0133,
3.5782)**

Conversions

Conversions Part 1

Format	Color
Hex	2B8B0F
RGB	43, 139, 15
RGB Percent	17%, 55%, 6%
CMY	0.8314, 0.4549, 0.9411
CMYK	0.69, 0.00, 0.89, 0.45
HSL	106°, 81%, 30%
HSV	106°, 89%, 55%
XYZ	10.3151, 19.0133, 3.5782
YIQ	96.1600, -17.4120, -58.9160

Conversions

Conversions Part 2

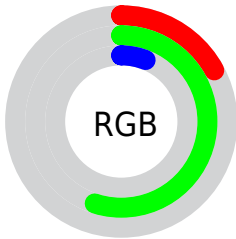
Format	Color
RYB	15, 139, 111
Decimal	2853647
CIELab	50.70, -49.02, 50.94
CIELCh	51, 70.695, 133.895
Yxy	19.0133, 0.3135, 0.5778
Android (android.graphics.Color)	4281043727 (0xFF2B8B0F)
YUV	96.1600, -40.0119, -46.6213
Hunter-Lab	43.6042, -34.0811, 25.6576

Details

The XYZ color **10.3151, 19.0133, 3.5782** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **11.3881, 5.5862, 24.9051**, and the grayscale version is **11.2549, 11.8411, 12.8949**.

A 20% lighter version of the original color is **26.0879, 41.9482, 13.0252**, and **3.4897, 6.9794, 1.1632** is the 20% darker color. If you saturate the color by 10%, you get **9.8421, 18.7793, 3.1378**, and if you desaturate by 10%, it is **10.9622, 19.3320, 4.3101**.

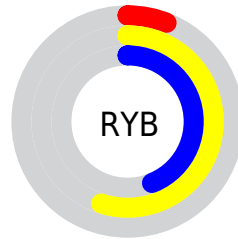
Distribution



Red (17%)

Green (55%)

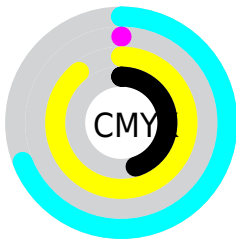
Blue (6%)



Red (6%)

Yellow (55%)

Blue (44%)

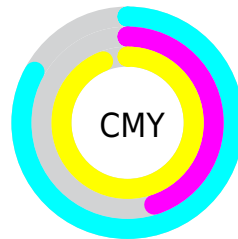


Cyan (69%)

Magenta (0%)

Yellow (89%)

Black (45%)



Cyan (83%)

Magenta (45%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3151, 19.0133, 3.5782 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 10.3151, 19.0133, 3.5782 by changing the saturation by 10% instead.

■ 10.3151, 19.0133,
3.5782

■ 10.3151, 19.0133,
3.5782

186.9134,
246.5222, 143.4149

■ 5.6722, 11.6799,
1.3969

■ 26.0308, 41.7566,
13.0247

■ 2.6856, 6.5261,
0.1393

■ 37.8344, 57.9352,
21.1269

■ 0.9898, 3.1675,
0.0000

■ 52.7556, 77.8311,
32.0399

■ 0.0000, 1.2198,
0.0000

■ 71.1598, 101.8285,
46.1822


■ 0.0000, 0.0778,
0.0000


■ 93.4123, 130.3120,
63.9723


■ 0.0000, 0.0000,
0.0000


■ 119.8785,


163.6658, 85.8287


 150.9238,
202.2744, 112.1701


 10.3151, 19.0133,
3.5782


 10.3151, 19.0133,
3.5782


 9.8421, 18.7793,
3.1378


 10.9622, 19.3320,
4.3101

 9.8096, 18.7632,
3.1047

 11.8142, 19.7467,
5.4559

 12.8884, 20.2659,
7.0653

 14.2001, 20.8967,
9.1806

 15.7629, 21.6451,
11.8395

■ 17.5896, 22.5170,
15.0760

■ 19.6918, 23.5178,
18.9212

■ 22.0806, 24.6526,
23.4043

■ 24.7664, 25.9260,
28.5524

Harmonies

Analogous

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



15.0556, 19.0133, 1.3578



10.3151, 19.0133, 3.5782



8.0515, 19.0133, 11.8152

Triad

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



10.3151, 19.0133, 3.5782



14.6202, 19.0133, 83.3086



34.3465, 19.0133, 12.8208

Complementary

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



10.3151, 19.0133, 3.5782



11.3881, 5.5862, 24.9051

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.



34.1428, 19.0133, 33.2009



10.3151, 19.0133, 3.5782



21.4656, 19.0133, 84.2762

Square

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



10.3151, 19.0133, 3.5782



10.0670, 19.0133, 60.0570



28.9794, 19.0133, 62.1992



29.4803, 19.0133, 3.9110

Rectangle

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



10.3151, 19.0133, 3.5782



7.7677, 19.0133, 23.4056



28.9794, 19.0133, 62.1992



34.9007, 19.0133, 18.2155

Sweetspot

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



10.3155, 19.0141, 3.5786



32.0730, 40.5963, 28.0350



16.3177, 16.6908, 2.8138



7.1492, 9.2394, 6.0252



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.



10.3155, 19.0141, 3.5786



17.4434, 33.5369, 5.5539



9.9651, 18.7816, 5.9042



5.0707, 5.6592, 5.3775



8.8664, 16.9408, 2.8026



0.0698, 0.1181, 0.0191

Inverse Universe

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



11.3881, 5.5862, 24.9051



19.1907, 8.9291, 44.4550



13.4171, 6.8704, 14.2375



5.1253, 5.0730, 6.3149



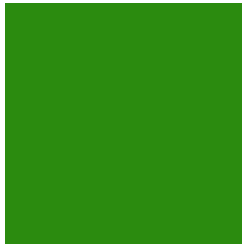
9.7612, 4.5462, 22.4087



0.0774, 0.0367, 0.1494

Previews

White Background



This preview shows how the XYZ color 10.3151, 19.0133, 3.5782 looks on a white background.

Color Contrast Check

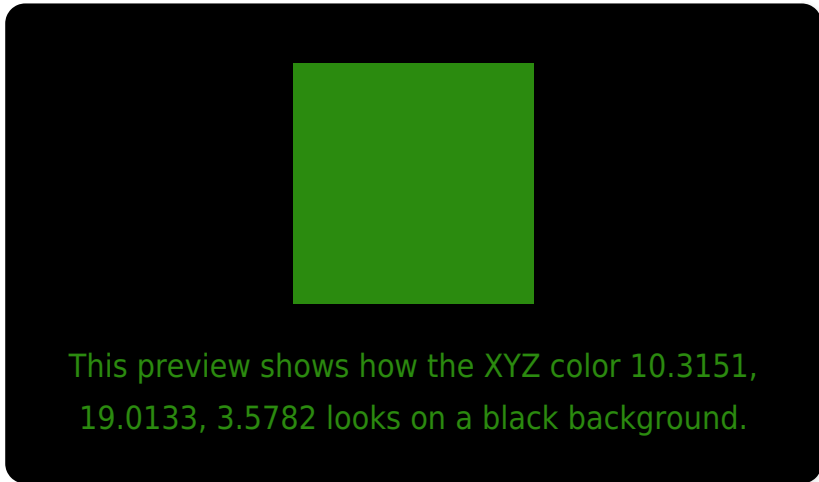
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 10.3151, 19.0133, 3.5782

Background



This preview shows how black text looks on a background with the XYZ color 10.3151, 19.0133, 3.5782.



This preview shows how white text looks on a background with the XYZ color 10.3151, 19.0133,

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

10.3151, 19.0133, 3.5782

Protanopia

16.7410, 18.5970, 2.8795

Deuteranopia

19.0543, 18.7237, 4.0486



Tritanopia

15.1097, 18.8961, 27.6619

Trichromacy



Original Color

10.3151, 19.0133, 3.5782

Protanomaly

13.1182, 18.0232, 3.0459

Deuteranomaly

13.9515, 17.6852, 3.6556

Tritanomaly

12.3166, 18.5619, 13.7601

Monochromacy



Original Color

10.3151, 19.0133, 3.5782

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

9.8679, 13.5714, 7.4096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3151, 19.0133, 3.5782 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(43, 139, 15)` looks like.

```
.text, #text, p{  
    color:rgb(43, 139, 15)  
}
```

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(43, 139, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 139, 15) }
```

Border

The CSS property to change the border of an element to XYZ 10.3151, 19.0133, 3.5782 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(43, 139, 15) }
```


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

```
.border{ border-color:rgb(43, 139, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 139, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 139, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 139, 15);  
box-shadow:4px 4px 4px 4px rgb(43, 139,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3151, 19.0133, 3.5782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 139, 15) }
```

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

```
.background{ background-color: rgb(43, 139,  
15) }
```

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