

Converting Colors

XYZ(10.8439, 19.2686, 5.5552)

Have a look what the booklet for
XYZ(10.8439, 19.2686, 5.5552)
contains.

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Color

**XYZ(10.8140, 19.2279,
5.5243)**

Conversions

Conversions Part 1

Format	Color
Hex	2E8B2C
RGB	46, 139, 44
RGB Percent	18%, 55%, 17%
CMY	0.8196, 0.4549, 0.8274
CMYK	0.67, 0.00, 0.68, 0.45
HSL	119°, 52%, 36%
HSV	119°, 68%, 55%
XYZ	10.8140, 19.2279, 5.5243
YIQ	100.3630, -24.9330, -49.2610

Conversions

Conversions Part 2

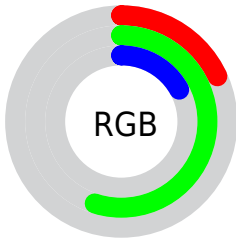
Format	Color
R_{YB}	44, 139, 137
Decimal	3050284
CIE _{Lab}	50.95, -46.31, 41.40
CIE _{LCh}	51, 62.113, 138.206
Yxy	19.2279, 0.3041, 0.5406
Android (android.graphics.Color)	4281240364 (0xFF2E8B2C)
YUV	100.3630, -27.7870, -47.6764
Hunter-Lab	43.8496, -32.7160, 23.2252

Details

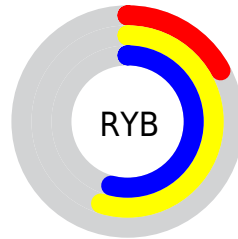
The XYZ color **10.8140, 19.2279, 5.5243** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **15.8783, 8.9844, 25.3243**, and the grayscale version is **12.2799, 12.9195, 14.0693**.

A 20% lighter version of the original color is **26.7993, 41.8911, 17.2630**, and **3.4897, 6.9794, 1.1632** is the 20% darker color. If you saturate the color by 10%, you get **10.0766, 18.8736, 4.3471**, and if you desaturate by 10%, it is **11.8342, 19.7190, 7.1726**.

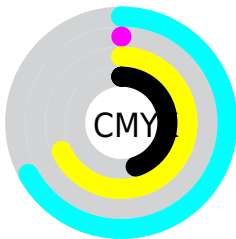
Distribution



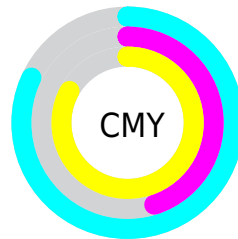
- Red (18%)
- Green (55%)
- Blue (17%)



- Red (17%)
- Yellow (55%)
- Blue (54%)



- Cyan (67%)
- Magenta (0%)
- Yellow (68%)
- Black (45%)





- Cyan (82%)
- Magenta (45%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.8140, 19.2279, 5.5243 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 10.8140, 19.2279, 5.5243 by changing the saturation by 10% instead.


 10.8140, 19.2279,
5.5243

 10.8140, 19.2279,
5.5243


190.3218,
247.7040, 163.9031


 6.0083, 11.8351,
2.4940


 26.9517, 42.1188,
17.3955


 2.8908, 6.6315,
0.8370


 39.0144, 58.3857,
27.0736


 1.0963, 3.2327,
0.0000

 54.2268, 78.3795,
39.8045

 0.0220, 1.2544,
0.0000

 72.9543, 102.4844,
56.0070

 0.0000, 0.1055,
0.0000

 95.5621, 131.0849,
76.0996

 0.0000, 0.0000,
0.0000

 122.4158,

164.5654, 100.5008

153.8805,
203.3103, 129.6291

■ 10.8140, 19.2279,
5.5243

■ 10.8140, 19.2279,
5.5243

■ 10.0766, 18.8736,
4.3471

■ 11.8342, 19.7190,
7.1726

■ 9.5924, 18.6403,
3.5906

■ 13.1604, 20.3562,
9.3329

■ 9.3104, 18.5044,
3.1471

■ 14.8150, 21.1509,
12.0434

■ 9.2696, 18.4848,
3.0794

■ 16.8177, 22.1125,
15.3382

■ 19.1869, 23.2497,
19.2485

■ 21.9395, 24.5708,
23.8036

■ 25.0916, 26.0834,
29.0306

■ 28.6582, 27.7946,
34.9552

■ 32.6535, 29.7112,
41.6019

Harmonies

Analogous

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



14.8310, 19.2279, 2.4460



10.8140, 19.2279, 5.5243



8.9871, 19.2279, 14.7604

Triad

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



10.8140, 19.2279, 5.5243



15.9682, 19.2279, 74.5020



31.9332, 19.2279, 12.0525

Complementary

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



10.8140, 19.2279, 5.5243



15.8783, 8.9844, 25.3243

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.



32.4314, 19.2279, 28.6307



10.8140, 19.2279, 5.5243



22.2159, 19.2279, 72.2445

Square

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



10.8140, 19.2279, 5.5243



11.4853, 19.2279, 57.5914



28.5606, 19.2279, 52.5010



27.3219, 19.2279, 4.4959

Rectangle

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



10.8140, 19.2279, 5.5243



8.9074, 19.2279, 26.1398



28.5606, 19.2279, 52.5010



32.6198, 19.2279, 16.4730

Sweetspot

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



10.8145, 19.2287, 5.5247



32.9660, 40.9661, 32.1681



19.8836, 23.2331, 5.8197



7.3573, 9.3249, 7.0180



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.



10.8145, 19.2287, 5.5247



17.5204, 33.5455, 6.9604



12.0472, 19.7117, 12.4755



4.9809, 5.6129, 5.3733



8.3678, 16.6837, 2.7793



0.0567, 0.1114, 0.0185

Inverse Universe

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



15.8783, 8.9844, 25.3243



27.2214, 13.8596, 44.9834



13.5992, 8.1110, 11.5967



5.2236, 5.1237, 6.3195



13.3829, 6.4133, 22.5782



0.0904, 0.0434, 0.1501

Previews

White Background



This preview shows how the XYZ color 10.8140, 19.2279, 5.5243 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 10.8140, 19.2279, 5.5243 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 10.8140, 19.2279, 5.5243

Background



This preview shows how black text looks on a background with the XYZ color 10.8140, 19.2279, 5.5243.



This preview shows how white text looks on a background with the XYZ color 10.8140, 19.2279,

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

10.8140, 19.2279, 5.5243

Protanopia

17.1953, 18.9721, 4.6752

Deuteranopia

19.1450, 18.8990, 5.8876



Tritanopia

15.3148, 19.1983, 27.7094

Trichromacy



Original Color

10.8140, 19.2279, 5.5243

Protanomaly

13.7129, 18.4820, 4.9425

Deuteranomaly

14.4441, 18.0818, 5.6346

Tritanomaly

12.9239, 18.8191, 16.3159

Monochromacy



Original Color

10.8140, 19.2279, 5.5243

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

10.7735, 14.3193, 9.7855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8140, 19.2279, 5.5243 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(46, 139, 44)` looks like.

```
.text, #text, p{  
    color:rgb(46, 139, 44)  
}
```

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(46, 139, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 139, 44) }
```

Border

The CSS property to change the border of an element to XYZ 10.8140, 19.2279, 5.5243 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(46, 139, 44) }
```


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

```
.border{ border-color:rgb(46, 139, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 139, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 139, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 139, 44);  
box-shadow:4px 4px 4px 4px rgb(46, 139,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8140, 19.2279, 5.5243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 139, 44) }
```

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

```
.background{ background-color: rgb(46, 139,  
44) }
```

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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