

Converting Colors

XYZ(11.8429, 19.4847, 11.8538)

Have a look what the booklet for
XYZ(11.8429, 19.4847, 11.8538)
contains.

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Color

**XYZ(11.8069, 19.3843,
11.9234)**

Conversions

Conversions Part 1

Format	Color
Hex	2C8A56
RGB	44, 138, 86
RGB Percent	17%, 54%, 34%
CMY	0.8274, 0.4588, 0.6627
CMYK	0.68, 0.00, 0.38, 0.46
HSL	147°, 52%, 36%
HSV	147°, 68%, 54%
XYZ	11.8069, 19.3843, 11.9234
YIQ	103.9660, -39.3320, -36.1000

Conversions

Conversions Part 2

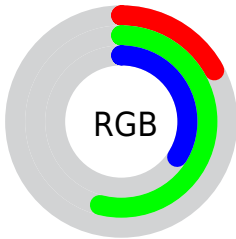
Format	Color
R_{YB}	44, 109, 138
Decimal	2918998
CIE _{Lab}	51.13, -39.89, 20.06
CIE _{LCh}	51, 44.651, 153.299
Yxy	19.3843, 0.2738, 0.4496
Android (android.graphics.Color)	4281109078 (0xFF2C8A56)
YUV	103.9660, -8.8572, -52.5902
Hunter-Lab	44.0276, -29.1799, 14.7626

Details

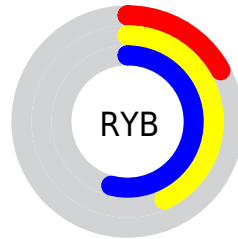
The XYZ color **11.8069, 19.3843, 11.9234** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.4938, 8.0496, 11.9095**, and the grayscale version is **13.1799, 13.8663, 15.1004**.

A 20% lighter version of the original color is **28.6604, 42.2435, 29.9358**, and **3.7912, 6.9696, 3.1529** is the 20% darker color. If you saturate the color by 10%, you get **11.0185, 19.0121, 10.3660**, and if you desaturate by 10%, it is **12.8263, 19.8729, 13.6641**.

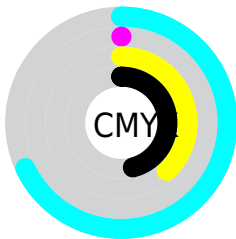
Distribution



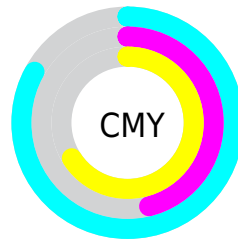
- Red (17%)
- Green (54%)
- Blue (34%)



- Red (17%)
- Yellow (43%)
- Blue (54%)



- Cyan (68%)
- Magenta (0%)
- Yellow (38%)
- Black (46%)



- Cyan (83%)
- Magenta (46%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8069, 19.3843, 11.9234 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 11.8069, 19.3843, 11.9234 by changing the saturation by 10% instead.

■ 11.8069, 19.3843,
11.9234

■ 11.8069, 19.3843,
11.9234

196.9188,
248.5622, 214.8574

■ 6.6836, 11.9483,
6.5696

■ 28.7628, 42.3825,
30.0178

■ 3.3096, 6.7085,
3.1201

■ 41.3262, 58.7134,
43.5956

■ 1.3195, 3.2805,
1.1563

■ 57.1002, 78.7782,
60.7517

■ 0.1978, 1.2798,
0.0000

■ 76.4504, 102.9610,
81.9048

■ 0.0000, 0.1255,
0.0000

■ 99.7420, 131.6465,
107.4734

■ 0.0000, 0.0000,
0.0000

■ 127.3403,

165.2189, 137.8760

159.6108,
204.0627, 173.5311

■ 11.8069, 19.3843,
11.9234

■ 11.8069, 19.3843,
11.9234

■ 11.0185, 19.0121,
10.3660

■ 12.8263, 19.8729,
13.6641

■ 10.4382, 18.7429,
8.9840

■ 14.0940, 20.4850,
15.5926

■ 10.0214, 18.5544,
7.7703

■ 15.6270, 21.2299,
17.7152

■ 9.9490, 18.5217,
7.5594

■ 17.4404, 22.1153,
20.0372

■ 19.5483, 23.1482,
22.5639

■ 21.9636, 24.3353,
25.3002

■ 24.6986, 25.6827,
28.2510

■ 27.7647, 27.1963,
31.4210

■ 31.1728, 28.8817,
34.8145

Harmonies

Analogous

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



14.1272, 19.3843, 6.5657



11.8069, 19.3843, 11.9234



11.1538, 19.3843, 22.5434

Triad

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



11.8069, 19.3843, 11.9234



18.9194, 19.3843, 56.0887



26.5116, 19.3843, 10.3357

Complementary

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



11.8069, 19.3843, 11.9234



13.4938, 8.0496, 11.9095

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.



28.3179, 19.3843, 19.7314



11.8069, 19.3843, 11.9234



23.5145, 19.3843, 48.8117

Square

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



11.8069, 19.3843, 11.9234



14.8515, 19.3843, 51.3116



27.1422, 19.3843, 34.0938



22.5283, 19.3843, 5.9412

Rectangle

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



11.8069, 19.3843, 11.9234



11.6486, 19.3843, 32.3166



27.1422, 19.3843, 34.0938



27.4201, 19.3843, 12.8441

Sweetspot

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



11.8074, 19.3851, 11.9238



33.5496, 40.3565, 38.7090



14.5020, 20.9157, 5.6559



7.3190, 8.9508, 8.4375



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.8074, 19.3851, 11.9238



18.8022, 33.2223, 16.8605



14.2744, 20.3719, 24.9149



5.0586, 5.6429, 5.8299



9.1287, 16.9841, 6.9684



0.0678, 0.1157, 0.0842

Inverse Universe

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



13.4938, 8.0496, 11.9095



21.9814, 11.7588, 16.7638



11.9639, 7.4376, 3.8531



5.1410, 5.0919, 5.8312



10.8242, 5.4398, 6.8445



0.0793, 0.0391, 0.0844

Previews

White Background



This preview shows how the XYZ color 11.8069, 19.3843, 11.9234 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 11.8069, 19.3843, 11.9234 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 11.8069, 19.3843, 11.9234

Background



This preview shows how black text looks on a background with the XYZ color 11.8069, 19.3843, 11.9234.



This preview shows how white text looks on a background with the XYZ color 11.8069, 19.3843,

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

11.8069, 19.3843, 11.9234

Protanopia

17.7644, 19.1448, 10.1562

Deuteranopia

19.4614, 19.0858, 12.5557



Tritanopia

15.1131, 19.2756, 28.5152

Trichromacy



Original Color

11.8069, 19.3843, 11.9234

Protanomaly

14.3679, 18.4973, 10.7957

Deuteranomaly

15.0742, 18.2624, 12.1817

Tritanomaly

13.7253, 19.3252, 21.4191

Monochromacy



Original Color

11.8069, 19.3843, 11.9234

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

11.8827, 15.1477, 13.6068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8069, 19.3843, 11.9234 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(44, 138, 86)` looks like.

```
.text, #text, p{  
    color:rgb(44, 138, 86)  
}
```

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(44, 138, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 138, 86) }
```

Border

The CSS property to change the border of an element to XYZ 11.8069, 19.3843, 11.9234 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(44, 138, 86) }
```


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

```
.border{ border-color:rgb(44, 138, 86) }
```

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

Here you see how a box with a 4 pixel rgb(44, 138, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 138, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 138, 86);  
box-shadow:4px 4px 4px 4px rgb(44, 138,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8069, 19.3843, 11.9234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 138, 86) }
```

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

```
.background{ background-color: rgb(44, 138,  
86) }
```

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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