

Converting Colors

XYZ(11.8734, 21.1855, 6.8775)

Have a look what the booklet for
XYZ(11.8734, 21.1855, 6.8775)
contains.

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Color

**XYZ(11.8067, 21.0433,
6.8076)**

Conversions

Conversions Part 1

Format	Color
Hex	2C9135
RGB	44, 145, 53
RGB Percent	17%, 57%, 21%
CMY	0.8274, 0.4314, 0.7921
CMYK	0.70, 0.00, 0.63, 0.43
HSL	125°, 53%, 37%
HSV	125°, 70%, 57%
XYZ	11.8067, 21.0433, 6.8076
YIQ	104.3130, -30.6640, -50.0240

Conversions

Conversions Part 2

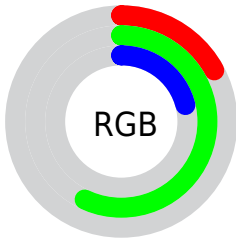
Format	Color
R_{YB}	44, 137, 145
Decimal	2920757
CIE _{Lab}	53.00, -47.92, 39.58
CIE _{LCh}	53, 62.154, 140.445
Yxy	21.0433, 0.2977, 0.5306
Android (android.graphics.Color)	4281110837 (0xFF2C9135)
YUV	104.3130, -25.2973, -52.8945
Hunter-Lab	45.8730, -34.3357, 23.3124

Details

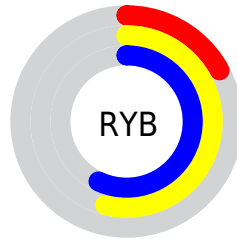
The XYZ color **11.8067, 21.0433, 6.8076** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.0222, 9.5990, 24.2486**, and the grayscale version is **13.3142, 14.0076, 15.2543**.

A 20% lighter version of the original color is **28.8114, 45.2309, 20.0439**, and **3.9144, 7.8287, 1.3048** is the 20% darker color. If you saturate the color by 10%, you get **11.0263, 20.6720, 5.3981**, and if you desaturate by 10%, it is **12.8896, 21.5621, 8.6694**.

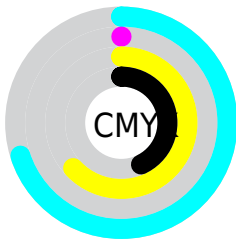
Distribution



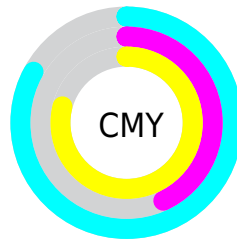
- Red (17%)
- Green (57%)
- Blue (21%)



- Red (17%)
- Yellow (54%)
- Blue (57%)



- Cyan (70%)
- Magenta (0%)
- Yellow (63%)
- Black (43%)



- Cyan (83%)
- Magenta (43%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8067, 21.0433, 6.8076 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 11.8067, 21.0433, 6.8076 by changing the saturation by 10% instead.

■ 11.8067, 21.0433,
6.8076

■ 11.8067, 21.0433,
6.8076

196.9175,
257.5085, 175.6251

■ 6.6835, 13.1557,
3.2654

■ 28.7625, 45.1596,
20.0913

■ 3.3095, 7.5358,
1.2317

■ 41.3257, 62.1570,
30.6700

■ 1.3195, 3.7994,
0.0048

■ 57.0997, 82.9598,
44.4312

■ 0.1977, 1.5620,
0.0000

■ 76.4497, 107.9524,
61.7936

■ 0.0000, 0.3318,
0.0000

■ 99.7411, 137.5192,
83.1756

■ 0.0000, 0.0000,
0.0000

■ 127.3393,

172.0445, 108.9959

159.6097,
211.9129, 139.6729

■ 11.8067, 21.0433,
6.8076

■ 11.8067, 21.0433,
6.8076

■ 11.0263, 20.6720,
5.3981

■ 12.8896, 21.5621,
8.6694

■ 10.5159, 20.4304,
4.4012

■ 14.3001, 22.2388,
11.0160

■ 10.2072, 20.2849,
3.7711

■ 16.0625, 23.0858,
13.8788

■ 10.1980, 20.2805,
3.7552

■ 18.1984, 24.1137,
17.2858

■ 20.7275, 25.3321,
21.2632

■ 23.6682, 26.7499,
25.8354

■ 27.0379, 28.3756,
31.0256

■ 30.8526, 30.2171,
36.8555

■ 35.1280, 32.2819,
43.3459

Harmonies

Analogous

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



15.9326, 21.0433, 3.0472



11.8067, 21.0433, 6.8076



10.0084, 21.0433, 17.4532

Triad

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



11.8067, 21.0433, 6.8076



17.9908, 21.0433, 79.7092



34.2024, 21.0433, 12.5178

Complementary

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



11.8067, 21.0433, 6.8076



17.0222, 9.5990, 24.2486

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.



35.0908, 21.0433, 29.4060



11.8067, 21.0433, 6.8076



24.7090, 21.0433, 75.7272

Square

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



11.8067, 21.0433, 6.8076



13.0309, 21.0433, 63.2552



31.3112, 21.0433, 54.2366



29.0967, 21.0433, 4.8792

Rectangle

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



11.8067, 21.0433, 6.8076



10.0297, 21.0433, 30.0597



31.3112, 21.0433, 54.2366



35.0416, 21.0433, 16.9989

Sweetspot

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



11.8072, 21.0442, 6.8081



36.2580, 44.9496, 36.7312



20.8292, 25.7169, 6.2490



7.8132, 9.8777, 7.7746



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



11.8072, 21.0442, 6.8081



19.1348, 36.7294, 8.4954



13.6086, 21.7647, 16.2943



5.3612, 6.0367, 5.8679



8.7516, 17.3965, 3.2459



0.0868, 0.1676, 0.0473

Inverse Universe

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



17.0222, 9.5990, 24.2486



29.0771, 14.7972, 41.6616



14.2614, 8.4947, 9.7100



5.6058, 5.5029, 6.6882



13.5976, 6.5960, 19.3299



0.1339, 0.0646, 0.2055

Previews

White Background



This preview shows how the XYZ color 11.8067, 21.0433, 6.8076 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 11.8067, 21.0433, 6.8076 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 11.8067, 21.0433, 6.8076

Background



This preview shows how black text looks on a background with the XYZ color 11.8067, 21.0433, 6.8076.



This preview shows how white text looks on a background with the XYZ color 11.8067, 21.0433,

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

11.8067, 21.0433, 6.8076

Protanopia

18.8096, 20.7106, 5.8025

Deuteranopia

21.0763, 20.7384, 7.3070



Tritanopia

16.6692, 21.0545, 30.7891

Trichromacy



Original Color

11.8067, 21.0433, 6.8076



Protanomaly

14.7890, 20.0086, 6.1002



Deuteranomaly

15.6842, 19.6508, 6.9693



Tritanomaly

14.1377, 20.6496, 18.8634

Monochromacy



Original Color

11.8067, 21.0433, 6.8076



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

11.7162, 15.6434, 10.9963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8067, 21.0433, 6.8076 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, 145, 53)` looks like.

```
.text, #text, p{  
    color:rgb(44, 145, 53)  
}
```

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, 145, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 145, 53) }
```

Border

The CSS property to change the border of an element to XYZ 11.8067, 21.0433, 6.8076 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, 145, 53) }
```


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

```
.border{ border-color:rgb(44, 145, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 145, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 145, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 145, 53);  
box-shadow:4px 4px 4px 4px rgb(44, 145,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8067, 21.0433, 6.8076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 145, 53) }
```

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

```
.background{ background-color: rgb(44, 145,  
53) }
```

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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