

Converting Colors

XYZ(11.8734, 21.2818, 6.5565)

Have a look what the booklet for
XYZ(11.8734, 21.2818, 6.5565)
contains.

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Color

**XYZ(11.9151, 21.3323,
6.6215)**

Conversions

Conversions Part 1

Format	Color
Hex	2C9233
RGB	44, 146, 51
RGB Percent	17%, 57%, 20%
CMY	0.8275, 0.4274, 0.8000
CMYK	0.70, 0.00, 0.65, 0.43
HSL	124°, 54%, 37%
HSV	124°, 70%, 57%
XYZ	11.9151, 21.3323, 6.6215
YIQ	104.6720, -30.2970, -51.1690

Conversions

Conversions Part 2

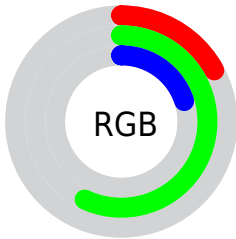
Format	Color
R_{YB}	44, 139, 146
Decimal	2921011
CIE _{Lab}	53.31, -48.52, 40.85
CIE _{LCh}	53, 63.425, 139.901
Yxy	21.3323, 0.2989, 0.5351
Android (android.graphics.Color)	4281111091 (0xFF2C9233)
YUV	104.6720, -26.4603, -53.2093
Hunter-Lab	46.1869, -34.7784, 23.8308

Details

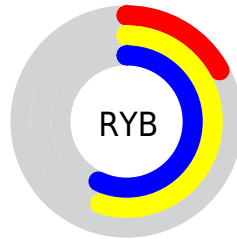
The XYZ color **11.9151, 21.3323, 6.6215** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **17.4154, 9.7766, 25.3950**, and the grayscale version is **13.4140, 14.1126, 15.3686**.

A 20% lighter version of the original color is **28.9445, 45.6559, 19.5989**, and **4.0027, 8.0054, 1.3342** is the 20% darker color. If you saturate the color by 10%, you get **11.1377, 20.9619, 5.2428**, and if you desaturate by 10%, it is **13.0019, 21.8533, 8.4734**.

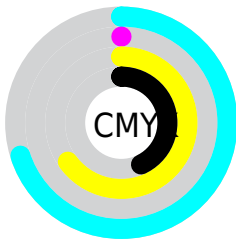
Distribution



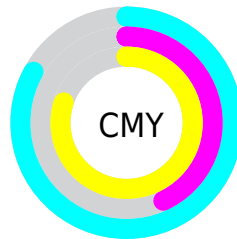
- Red (17%)
- Green (57%)
- Blue (20%)



- Red (17%)
- Yellow (55%)
- Blue (57%)



- Cyan (70%)
- Magenta (0%)
- Yellow (65%)
- Black (43%)





- Cyan (83%)
- Magenta (43%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.9151, 21.3323, 6.6215 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 11.9151, 21.3323, 6.6215 by changing the saturation by 10% instead.


 11.9151, 21.3323,
6.6215


 11.9151, 21.3323,
6.6215


197.6238,
259.0392, 173.9904


 6.7577, 13.3671,
3.1517


 28.9586, 45.6399,
19.7074


 3.3560, 7.6818,
1.1726


 41.5754, 62.7512,
30.1605


 1.3447, 3.8920,
0.0000


 57.4093, 83.6799,
43.7785

 0.2163, 1.6134,
0.0000

 76.8257, 108.8104,
60.9799

 0.0000, 0.3666,
0.0000

 100.1901,
138.5272, 82.1833

 0.0000, 0.0000,
0.0000

 127.8676,

173.2147, 107.8071

160.2238,
213.2573, 138.2699

■ 11.9151, 21.3323,
6.6215

■ 11.9151, 21.3323,
6.6215

■ 11.1377, 20.9619,
5.2428

■ 13.0019, 21.8533,
8.4734

■ 10.6360, 20.7237,
4.2932

■ 14.4244, 22.5359,
10.8347

■ 10.3378, 20.5823,
3.7211

■ 16.2078, 23.3928,
13.7396

■ 10.3343, 20.5807,
3.7157

■ 18.3744, 24.4350,
17.2190

■ 20.9448, 25.6724,
21.3015

■ 23.9381, 27.1142,
26.0139

■ 27.3721, 28.7693,
31.3810

■ 31.2637, 30.6457,
37.4268

■ 35.6288, 32.7512,
44.1736

Harmonies

Analogous

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



16.1901, 21.3323, 2.9200



11.9151, 21.3323, 6.6215



10.0344, 21.3323, 17.3270

Triad

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



11.9151, 21.3323, 6.6215



18.0946, 21.3323, 81.9759



35.0031, 21.3323, 12.7758

Complementary

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



11.9151, 21.3323, 6.6215



17.4154, 9.7766, 25.3950

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.



35.8314, 21.3323, 30.3346



11.9151, 21.3323, 6.6215



24.9967, 21.3323, 78.2429

Square

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



11.9151, 21.3323, 6.6215



13.0436, 21.3323, 64.5560



31.8445, 21.3323, 56.1200



29.7826, 21.3323, 4.8685

Rectangle

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



11.9151, 21.3323, 6.6215



10.0296, 21.3323, 30.1842



31.8445, 21.3323, 56.1200



35.8427, 21.3323, 17.4309

Sweetspot

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



11.9156, 21.3332, 6.6220



36.1915, 44.9229, 36.3808



21.4153, 26.2470, 6.3202



7.7973, 9.8713, 7.6908



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.



11.9156, 21.3332, 6.6220



19.0757, 36.7058, 8.1843



13.7064, 22.0495, 16.0523



5.7448, 6.4745, 6.2670



9.0973, 18.1117, 3.2879



0.1145, 0.2230, 0.0571

Inverse Universe

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



17.4154, 9.7766, 25.3950



29.3985, 14.9258, 43.3545



14.5250, 8.6205, 10.1745



6.0183, 5.9024, 7.2026



14.3441, 6.9427, 21.0909



0.1797, 0.0866, 0.2800

Previews

White Background



This preview shows how the XYZ color 11.9151, 21.3323, 6.6215 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 11.9151, 21.3323, 6.6215 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 11.9151, 21.3323, 6.6215

Background



This preview shows how black text looks on a background with the XYZ color 11.9151, 21.3323, 6.6215.



This preview shows how white text looks on a background with the XYZ color 11.9151, 21.3323,

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

11.9151, 21.3323, 6.6215

Protanopia

19.0670, 21.0387, 5.6407

Deuteranopia

21.2162, 20.8166, 7.0375



Tritanopia

16.8895, 21.3690, 31.2514

Trichromacy



Original Color

11.9151, 21.3323, 6.6215

Protanomaly

15.0025, 20.3278, 5.9292

Deuteranomaly

15.6343, 19.6309, 6.7065

Tritanomaly

14.2832, 20.9405, 18.9119

Monochromacy



Original Color

11.9151, 21.3323, 6.6215

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

11.9234, 15.9278, 11.0403

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9151, 21.3323, 6.6215 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, 146, 51)` looks like.

```
.text, #text, p{  
    color:rgb(44, 146, 51)  
}
```

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, 146, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 146, 51) }
```

Border

The CSS property to change the border of an element to XYZ 11.9151, 21.3323, 6.6215 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, 146, 51) }
```


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

```
.border{ border-color:rgb(44, 146, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 146, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 146, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 146, 51);  
box-shadow:4px 4px 4px 4px rgb(44, 146,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9151, 21.3323, 6.6215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 146, 51) }
```

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

```
.background{ background-color: rgb(44, 146,  
51) }
```

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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