

Converting Colors

XYZ(11.6388, 19.2507, 5.8998)

Have a look what the booklet for
XYZ(11.6388, 19.2507, 5.8998)
contains.

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Color

**XYZ(11.5935, 19.1947,
5.8902)**

Conversions

Conversions Part 1

Format	Color
Hex	408930
RGB	64, 137, 48
RGB Percent	25%, 54%, 19%
CMY	0.7490, 0.4627, 0.8118
CMYK	0.53, 0.00, 0.65, 0.46
HSL	109°, 48%, 36%
HSV	109°, 65%, 54%
XYZ	11.5935, 19.1947, 5.8902
YIQ	105.0270, -14.9390, -43.1550

Conversions

Conversions Part 2

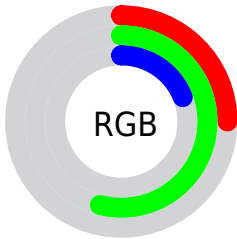
Format	Color
R_{YB}	48, 137, 121
Decimal	4229424
CIE _{Lab}	50.91, -40.46, 39.73
CIE _{LCh}	51, 56.701, 135.519
Yxy	19.1947, 0.3161, 0.5233
Android (android.graphics.Color)	4282419504 (0xFF408930)
YUV	105.0270, -28.1143, -35.9807
Hunter-Lab	43.8118, -29.4358, 22.6971

Details

The XYZ color **11.5935, 19.1947, 5.8902** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **13.4585, 7.9857, 24.5000**, and the grayscale version is **13.5117, 14.2153, 15.4805**.

A 20% lighter version of the original color is **28.3066, 41.9950, 18.1692**, and **3.3278, 6.6556, 1.1093** is the 20% darker color. If you saturate the color by 10%, you get **10.6949, 18.7598, 4.5937**, and if you desaturate by 10%, it is **12.7277, 19.7421, 7.6546**.

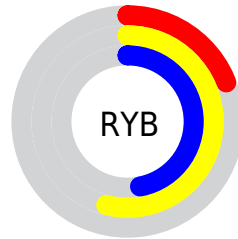
Distribution



Red (25%)

Green (54%)

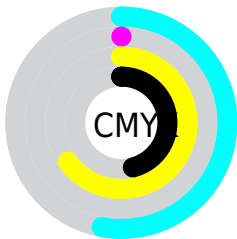
Blue (19%)



Red (19%)

Yellow (54%)

Blue (47%)

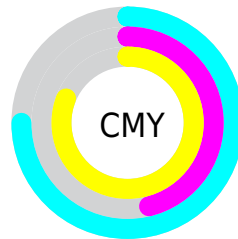


Cyan (53%)

Magenta (0%)

Yellow (65%)

Black (46%)



Cyan (75%)


Magenta (46%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.5935, 19.1947, 5.8902 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 11.5935, 19.1947, 5.8902 by changing the saturation by 10% instead.


 11.5935, 19.1947,
5.8902


 11.5935, 19.1947,
5.8902


195.5206,
247.5215, 167.3591


 6.5377, 11.8110,
2.7107


 28.3759, 42.0628,
18.1763


 3.2185, 6.6151,
0.9488


 40.8332, 58.3161,
28.1200


 1.2703, 3.2226,
0.0000

 56.4884, 78.2947,
41.1555

 0.1608, 1.2490,
0.0000

 75.7069, 102.3831,
57.7013

 0.0000, 0.1012,
0.0000

 98.8541, 130.9655,
78.1761

 0.0000, 0.0000,
0.0000

 126.2951,

164.4265, 102.9983

158.3955,
203.1503, 132.5864

■ 11.5935, 19.1947,
5.8902

■ 11.5935, 19.1947,
5.8902

■ 10.6949, 18.7598,
4.5937

■ 12.7277, 19.7421,
7.6546

■ 10.0133, 18.4271,
3.7193

■ 14.1116, 20.4067,
9.9243

■ 9.5277, 18.1876,
3.2066

■ 15.7597, 21.1958,
12.7346

■ 9.3378, 18.0940,
3.0003

■ 17.6850, 22.1155,
16.1170

■ 19.8997, 23.1714,
20.1008

■ 22.4153, 24.3687,
24.7133

■ 25.2424, 25.7125,
29.9799

■ 28.3913, 27.2075,
35.9249

■ 31.8719, 28.8583,
42.5711

Harmonies

Analogous

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



15.5139, 19.1947, 3.0492



11.5935, 19.1947, 5.8902



9.6832, 19.1947, 14.1024

Triad

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



11.5935, 19.1947, 5.8902



15.6835, 19.1947, 67.1861



30.6993, 19.1947, 13.6915

Complementary

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



11.5935, 19.1947, 5.8902



13.4585, 7.9857, 24.5000

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.



30.7708, 19.1947, 29.5911



11.5935, 19.1947, 5.8902



21.2770, 19.1947, 66.8719

Square

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



11.5935, 19.1947, 5.8902



11.6957, 19.1947, 51.4968



27.0481, 19.1947, 50.7799



26.8692, 19.1947, 5.7221

Rectangle

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



11.5935, 19.1947, 5.8902



9.4931, 19.1947, 24.0058



27.0481, 19.1947, 50.7799



31.1863, 19.1947, 18.0739

Sweetspot

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



11.5940, 19.1955, 5.8906



33.8023, 40.6205, 32.6796



17.6498, 19.1306, 5.5589



7.3621, 9.0063, 6.9355



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.



11.5940, 19.1955, 5.8906



18.5244, 33.2884, 7.3920



11.4761, 19.0449, 9.9426



5.0503, 5.6487, 5.3765



8.7056, 16.8579, 2.7951



0.0668, 0.1166, 0.0190

Inverse Universe

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



13.4585, 7.9857, 24.5000



22.0471, 11.5218, 43.4451



14.1246, 8.5330, 15.3196



5.1472, 5.0843, 6.3159



10.4839, 4.9188, 22.4425



0.0803, 0.0382, 0.1496

Previews

White Background



This preview shows how the XYZ color 11.5935, 19.1947, 5.8902 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 11.5935, 19.1947, 5.8902 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 11.5935, 19.1947, 5.8902

Background



This preview shows how black text looks on a background with the XYZ color 11.5935, 19.1947, 5.8902.



This preview shows how white text looks on a background with the XYZ color 11.5935, 19.1947,

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

11.5935, 19.1947, 5.8902

Protanopia

17.2651, 19.0001, 5.0429

Deuteranopia

19.2147, 18.9269, 6.2550



Tritanopia

15.8590, 19.0963, 27.2762

Trichromacy



Original Color

11.5935, 19.1947, 5.8902

Protanomaly

14.3697, 18.6194, 5.3192

Deuteranomaly

15.1740, 18.2654, 5.9746

Tritanomaly

13.6195, 18.7691, 16.5406

Monochromacy



Original Color

11.5935, 19.1947, 5.8902

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.1780, 15.5363, 10.7445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5935, 19.1947, 5.8902 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(64, 137, 48)` looks like.

```
.text, #text, p{  
    color:rgb(64, 137, 48)  
}
```

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(64, 137, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 137, 48) }
```

Border

The CSS property to change the border of an element to XYZ 11.5935, 19.1947, 5.8902 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(64, 137, 48) }
```


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

```
.border{ border-color:rgb(64, 137, 48) }
```

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

Here you see how a box with a 4 pixel rgb(64, 137, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 137, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 137, 48);  
box-shadow:4px 4px 4px 4px rgb(64, 137,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5935, 19.1947, 5.8902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 137, 48) }
```

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

```
.background{ background-color: rgb(64, 137,  
48) }
```

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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