

Converting Colors

XYZ(11.7226, 19.7490, 6.7898)

Have a look what the booklet for
XYZ(11.7226, 19.7490, 6.7898)
contains.

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Color

**XYZ(11.6671, 19.6406,
6.7905)**

Conversions

Conversions Part 1

Format	Color
Hex	3A8B37
RGB	58, 139, 55
RGB Percent	23%, 55%, 22%
CMY	0.7725, 0.4549, 0.7843
CMYK	0.58, 0.00, 0.60, 0.45
HSL	118°, 43%, 38%
HSV	118°, 60%, 55%
XYZ	11.6671, 19.6406, 6.7905
YIQ	105.2050, -21.3120, -43.2960

Conversions

Conversions Part 2

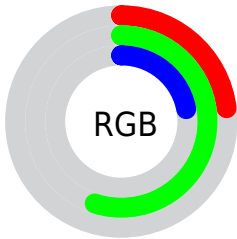
Format	Color
RYB	55, 139, 136
Decimal	3836727
CIELab	51.43, -42.15, 36.94
CIELCh	51, 56.047, 138.765
Yxy	19.6406, 0.3062, 0.5155
Android (android.graphics.Color)	4282026807 (0xFF3A8B37)
YUV	105.2050, -24.7511, -41.3988
Hunter-Lab	44.3177, -30.5640, 21.9378

Details

The XYZ color **11.6671, 19.6406, 6.7905** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **16.1809, 9.8314, 25.4720**, and the grayscale version is **13.5525, 14.2582, 15.5272**.

A 20% lighter version of the original color is **28.4298, 42.6706, 20.1024**, and **3.5062, 6.9860, 1.2498** is the 20% darker color. If you saturate the color by 10%, you get **10.6995, 19.1756, 5.2445**, and if you desaturate by 10%, it is **12.9324, 20.2494, 8.8413**.

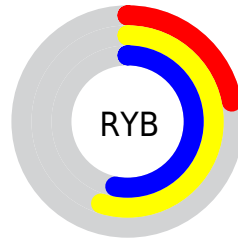
Distribution



Red (23%)

Green (55%)

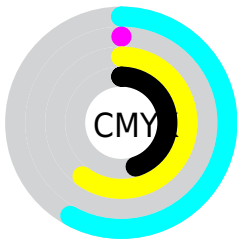
Blue (22%)



Red (22%)

Yellow (55%)

Blue (53%)

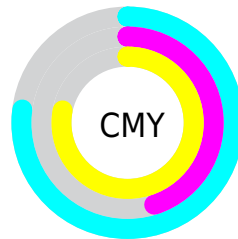


Cyan (58%)

Magenta (0%)

Yellow (60%)

Black (45%)



Cyan (77%)

Magenta (45%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6671, 19.6406, 6.7905 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 11.6671, 19.6406, 6.7905 by changing the saturation by 10% instead.

■ 11.6671, 19.6406,
6.7905

■ 11.6671, 19.6406,
6.7905

196.0040,
249.9628, 175.4757

■ 6.5880, 12.1341,
3.2550

■ 28.5095, 42.8138,
20.0561

■ 3.2498, 6.8350,
1.2263

■ 41.0035, 59.2492,
30.6233

■ 1.2872, 3.3592,
0.0002

■ 56.6998, 79.4298,
44.3715

■ 0.1736, 1.3220,
0.0000

■ 75.9638, 103.7398,
61.7192

■ 0.0000, 0.1581,
0.0000

■ 99.1609, 132.5638,
83.0849

■ 0.0000, 0.0000,
0.0000

■ 126.6564,

166.2860, 108.8872

158.8157,
205.2908, 139.5446

■ 11.6671, 19.6406,
6.7905

■ 11.6671, 19.6406,
6.7905

■ 10.6995, 19.1756,
5.2445

■ 12.9324, 20.2494,
8.8413

■ 10.0040, 18.8404,
4.1585

■ 14.5157, 21.0099,
11.4340

■ 9.5531, 18.6224,
3.4820

■ 16.4368, 21.9321,
14.6038

■ 9.2951, 18.4980,
3.0806

■ 18.7139, 23.0247,
18.3825

■ 21.3636, 24.2956,
22.7997

■ 24.4015, 25.7523,
27.8829

■ 27.8425, 27.4020,
33.6582

■ 31.7004, 29.2511,
40.1500

■ 35.9887, 31.3062,
47.3818

Harmonies

Analogous

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



15.4047, 19.6406, 3.4338



11.6671, 19.6406, 6.7905



9.9523, 19.6406, 15.9076

Triad

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



11.6671, 19.6406, 6.7905



16.6418, 19.6406, 68.3283



30.8741, 19.6406, 12.8988

Complementary

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



11.6671, 19.6406, 6.7905



16.1809, 9.8314, 25.4720

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.



31.3904, 19.6406, 27.9949



11.6671, 19.6406, 6.7905



22.3620, 19.6406, 66.0727

Square

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



11.6671, 19.6406, 6.7905



12.4158, 19.6406, 54.0965



28.0241, 19.6406, 48.9369



26.7295, 19.6406, 5.5394

Rectangle

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



11.6671, 19.6406, 6.7905



9.8993, 19.6406, 26.4533



28.0241, 19.6406, 48.9369



31.5048, 19.6406, 17.0098

Sweetspot

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



11.6676, 19.6414, 6.7909



34.4245, 41.6692, 34.4373



19.9740, 23.0380, 7.0087



7.6634, 9.4726, 7.4879



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.



11.6676, 19.6414, 6.7909



18.5859, 34.0621, 8.4879



12.7757, 20.0651, 13.5097



4.9873, 5.6162, 5.3736



8.3921, 16.6963, 2.7804



0.0576, 0.1119, 0.0186

Inverse Universe

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



16.1809, 9.8314, 25.4720



27.4191, 14.7942, 45.1534



14.3731, 9.1654, 13.3755



5.2165, 5.1200, 6.3192



13.0883, 6.2614, 22.5644



0.0895, 0.0429, 0.1500

Previews

White Background



This preview shows how the XYZ color 11.6671, 19.6406, 6.7905 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 11.6671, 19.6406, 6.7905 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 11.6671, 19.6406, 6.7905

Background



This preview shows how black text looks on a background with the XYZ color 11.6671, 19.6406, 6.7905.



This preview shows how white text looks on a background with the XYZ color 11.6671, 19.6406,

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

11.6671, 19.6406, 6.7905

Protanopia

17.6886, 19.3836, 5.8267

Deuteranopia

19.6926, 19.3226, 7.2492



Tritanopia

15.9322, 19.5081, 28.1250

Trichromacy



Original Color

11.6671, 19.6406, 6.7905

Protanomaly

14.5233, 18.8744, 6.1265

Deuteranomaly

15.3332, 18.5130, 6.9029

Tritanomaly

13.8005, 19.2404, 17.7383

Monochromacy



Original Color

11.6671, 19.6406, 6.7905

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.1061, 15.4854, 11.3677

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6671, 19.6406, 6.7905 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(58, 139, 55)` looks like.

```
.text, #text, p{  
    color:rgb(58, 139, 55)  
}
```

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(58, 139, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 139, 55) }
```

Border

The CSS property to change the border of an element to XYZ 11.6671, 19.6406, 6.7905 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(58, 139, 55) }
```


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

```
.border{ border-color:rgb(58, 139, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 139, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 139, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 139, 55);  
box-shadow:4px 4px 4px 4px rgb(58, 139,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6671, 19.6406, 6.7905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 139, 55) }
```

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

```
.background{ background-color: rgb(58, 139,  
55) }
```

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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