

Converting Colors

XYZ(11.5526, 19.4411, 9.1892)

Have a look what the booklet for
XYZ(11.5526, 19.4411, 9.1892)
contains.

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Color

**XYZ(11.6212, 19.5615,
9.2941)**

Conversions

Conversions Part 1

Format	Color
Hex	308B48
RGB	48, 139, 72
RGB Percent	19%, 55%, 28%
CMY	0.8118, 0.4549, 0.7176
CMYK	0.65, 0.00, 0.48, 0.45
HSL	136°, 49%, 37%
HSV	136°, 65%, 55%
XYZ	11.6212, 19.5615, 9.2941
YIQ	104.1530, -32.7290, -40.1290

Conversions

Conversions Part 2

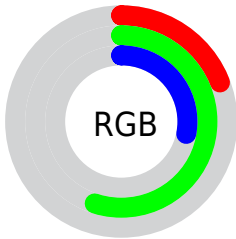
Format	Color
RYB	48, 120, 139
Decimal	3181384
CIELab	51.34, -42.08, 28.04
CIELCh	51, 50.569, 146.325
Yxy	19.5615, 0.2871, 0.4833
Android (android.graphics.Color)	4281371464 (0xFF308B48)
YUV	104.1530, -15.8514, -49.2462
Hunter-Lab	44.2284, -30.4980, 18.5007

Details

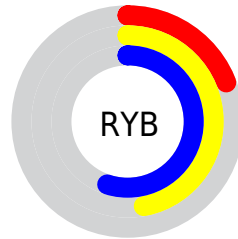
The XYZ color **11.6212, 19.5615, 9.2941** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.7994, 8.8409, 17.1464**, and the grayscale version is **13.2469, 13.9367, 15.1771**.

A 20% lighter version of the original color is **28.4085, 42.5483, 25.1277**, and **3.6762, 7.0540, 2.1451** is the 20% darker color. If you saturate the color by 10%, you get **10.7591, 19.1531, 7.6539**, and if you desaturate by 10%, it is **12.7454, 20.0997, 11.2376**.

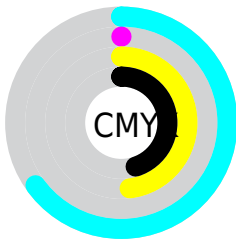
Distribution



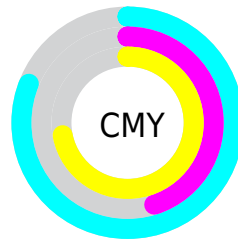
- Red (19%)
- Green (55%)
- Blue (28%)



- Red (19%)
- Yellow (47%)
- Blue (55%)



- Cyan (65%)
- Magenta (0%)
- Yellow (48%)
- Black (45%)



- Cyan (81%)
- Magenta (45%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6212, 19.5615, 9.2941 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 11.6212, 19.5615, 9.2941 by changing the saturation by 10% instead.

■ 11.6212, 19.5615,
9.2941

■ 11.6212, 19.5615,
9.2941

195.7027,
249.5313, 195.8551

■ 6.5567, 12.0767,
4.8341

■ 28.4262, 42.6808,
25.0457

■ 3.2303, 6.7959,
2.0932

■ 40.8973, 59.0840,
37.1744

■ 1.2767, 3.3348,
0.6117

■ 56.5680, 79.2289,
52.6965

■ 0.1657, 1.3089,
0.0000

■ 75.8037, 103.4998,
72.0303

■ 0.0000, 0.1481,
0.0000

■ 98.9696, 132.2811,
95.5946

■ 0.0000, 0.0000,
0.0000

■ 126.4312,

165.9572, 123.8078

158.5538,
204.9124, 157.0884

■ 11.6212, 19.5615,
9.2941

■ 11.6212, 19.5615,
9.2941

■ 10.7591, 19.1531,
7.6539

■ 12.7454, 20.0997,
11.2376

■ 10.1350, 18.8606,
6.3003

■ 14.1501, 20.7753,
13.4975

■ 9.7173, 18.6689,
5.2166

■ 15.8538, 21.5980,
16.0875

■ 9.5616, 18.5975,
4.8082

■ 17.8729, 22.5761,
19.0202

■ 20.2226, 23.7171,
22.3075

■ 22.9172, 25.0282,
25.9608

■ 25.9699, 26.5159,
29.9910

■ 29.3935, 28.1866,
34.4085

■ 33.1999, 30.0462,
39.2232

Harmonies

Analogous

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



14.6074, 19.5615, 4.8251



11.6212, 19.5615, 9.2941



10.4830, 19.5615, 19.5647

Triad

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



11.6212, 19.5615, 9.2941



17.9767, 19.5615, 62.8958



28.7338, 19.5615, 11.1872

Complementary

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



11.6212, 19.5615, 9.2941



14.7994, 8.8409, 17.1464

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.



30.0746, 19.5615, 23.1332



11.6212, 19.5615, 9.2941



23.2438, 19.5615, 57.2503

Square

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



11.6212, 19.5615, 9.2941



13.7080, 19.5615, 53.8707



27.9092, 19.5615, 40.7583



24.5184, 19.5615, 5.5188

Rectangle

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



11.6212, 19.5615, 9.2941



10.7389, 19.5615, 30.1193



27.9092, 19.5615, 40.7583



29.5651, 19.5615, 14.3946

Sweetspot

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



11.6217, 19.5623, 9.2945



34.0482, 41.4194, 36.9428



17.0025, 22.4097, 6.2257



7.6088, 9.4291, 8.1799



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.



11.6217, 19.5623, 9.2945



18.6297, 33.9988, 12.3714



13.6190, 20.3612, 19.8123



5.0225, 5.6285, 5.6396



8.6358, 16.7869, 4.3730



0.0627, 0.1137, 0.0573

Inverse Universe

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



14.7994, 8.8409, 17.1464



24.7443, 13.2104, 27.3622



12.8342, 8.0548, 6.7977



5.1785, 5.1068, 6.0283



11.7969, 5.8289, 11.9665



0.0844, 0.0411, 0.1113

Previews

White Background



This preview shows how the XYZ color 11.6212, 19.5615, 9.2941 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 11.6212, 19.5615, 9.2941 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 11.6212, 19.5615, 9.2941

Background



This preview shows how black text looks on a background with the XYZ color 11.6212, 19.5615, 9.2941.



This preview shows how white text looks on a background with the XYZ color 11.6212, 19.5615,

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

11.6212, 19.5615, 9.2941

Protanopia

17.7744, 19.3807, 7.9583

Deuteranopia

19.4746, 19.1518, 9.8780



Tritanopia

15.4530, 19.4508, 28.5311

Trichromacy



Original Color

11.6212, 19.5615, 9.2941

Protanomaly

14.3561, 18.7393, 8.3292

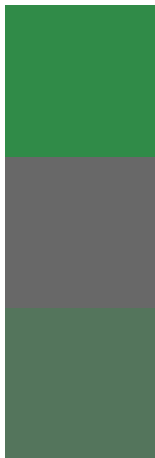
Deuteranomaly

14.9426, 18.2521, 9.5729

Tritanomaly

13.6605, 19.3266, 19.8401

Monochromacy



Original Color

11.6212, 19.5615, 9.2941

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

11.9492, 15.3801, 12.4641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6212, 19.5615, 9.2941 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(48, 139, 72)` looks like.

```
.text, #text, p{  
    color:rgb(48, 139, 72)  
}
```

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(48, 139, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 139, 72) }
```

Border

The CSS property to change the border of an element to XYZ 11.6212, 19.5615, 9.2941 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(48, 139, 72) }
```


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

```
.border{ border-color:rgb(48, 139, 72) }
```

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

Here you see how a box with a 4 pixel rgb(48, 139, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 139, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 139, 72);  
box-shadow:4px 4px 4px 4px rgb(48, 139,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6212, 19.5615, 9.2941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 139, 72) }
```

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

```
.background{ background-color: rgb(48, 139,  
72) }
```

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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