

Converting Colors

XYZ(11.5737, 19.4555, 9.1834)

Have a look what the booklet for
XYZ(11.5737, 19.4555, 9.1834)
contains.

XYZ(11.6366, 19.5731, 9.1259)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.6366, 19.5731,
9.1259)**

Conversions

Conversions Part 1

Format	Color
Hex	318B47
RGB	49, 139, 71
RGB Percent	19%, 55%, 28%
CMY	0.8078, 0.4549, 0.7216
CMYK	0.65, 0.00, 0.49, 0.45
HSL	135°, 48%, 37%
HSV	135°, 65%, 55%
XYZ	11.6366, 19.5731, 9.1259
YIQ	104.3380, -31.8120, -40.2280

Conversions

Conversions Part 2

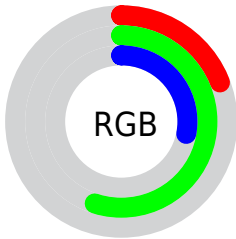
Format	Color
RYB	49, 121, 139
Decimal	3246919
CIELab	51.35, -42.03, 28.60
CIELCh	51, 50.837, 145.770
Yxy	19.5731, 0.2885, 0.4853
Android (android.graphics.Color)	4281436999 (0xFF318B47)
YUV	104.3380, -16.4356, -48.5314
Hunter-Lab	44.2415, -30.4727, 18.7390

Details

The XYZ color **11.6366, 19.5731, 9.1259** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.9573, 8.9704, 17.7737**, and the grayscale version is **13.2981, 13.9906, 15.2358**.

A 20% lighter version of the original color is **28.3469, 42.5237, 24.8030**, and **3.6546, 7.0454, 2.0314** is the 20% darker color. If you saturate the color by 10%, you get **10.7584, 19.1566, 7.4751**, and if you desaturate by 10%, it is **12.7808, 20.1212, 11.0943**.

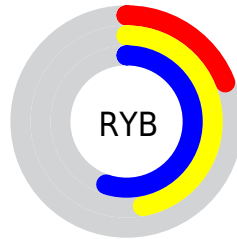
Distribution



Red (19%)

Green (55%)

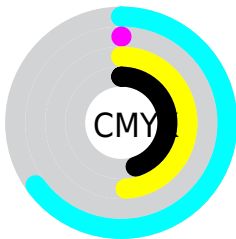
Blue (28%)



Red (19%)

Yellow (47%)

Blue (55%)

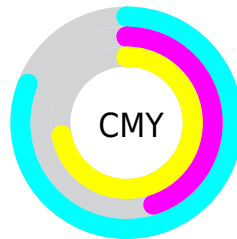


Cyan (65%)

Magenta (0%)

Yellow (49%)

Black (45%)



Cyan (81%)

Magenta (45%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6366, 19.5731, 9.1259 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 11.6366, 19.5731, 9.1259 by changing the saturation by 10% instead.

■ 11.6366, 19.5731,
9.1259

■ 11.6366, 19.5731,
9.1259

195.8039,
249.5946, 194.5669

■ 6.5672, 12.0851,
4.7255

■ 28.4541, 42.7003,
24.7195

■ 3.2368, 6.8017,
2.0312

■ 40.9329, 59.1083,
36.7497

■ 1.2802, 3.3384,
0.5744

■ 56.6123, 79.2584,
52.1602

■ 0.1683, 1.3108,
0.0000

■ 75.8574, 103.5350,
71.3696

■ 0.0000, 0.1496,
0.0000

■ 99.0338, 132.3226,
94.7965

■ 0.0000, 0.0000,
0.0000

■ 126.5068,

166.0054, 122.8593

158.6417,
204.9679, 155.9765

■ 11.6366, 19.5731,
9.1259

■ 11.6366, 19.5731,
9.1259

■ 10.7584, 19.1566,
7.4751

■ 12.7808, 20.1212,
11.0943

■ 10.1222, 18.8578,
6.1237

■ 14.2097, 20.8083,
13.3943

■ 9.6988, 18.6628,
5.0538

■ 15.9417, 21.6445,
16.0408

■ 9.5214, 18.5813,
4.5964

■ 17.9935, 22.6377,
19.0474

■ 20.3802, 23.7958,
22.4270

■ 23.1162, 25.1258,
26.1918

■ 26.2150, 26.6344,
30.3534

■ 29.6893, 28.3279,
34.9229

■ 33.5512, 30.2123,
39.9112

Harmonies

Analogous

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



14.6699, 19.5731, 4.7369



11.6366, 19.5731, 9.1259



10.4599, 19.5731, 19.3131

Triad

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



11.6366, 19.5731, 9.1259



17.8920, 19.5731, 63.1867



28.8660, 19.5731, 11.3120

Complementary

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



11.6366, 19.5731, 9.1259



14.9573, 8.9704, 17.7737

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.



30.1517, 19.5731, 23.4438



11.6366, 19.5731, 9.1259



23.1844, 19.5731, 57.7621

Square

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



11.6366, 19.5731, 9.1259



13.6297, 19.5731, 53.8408



27.9105, 19.5731, 41.2526



24.6607, 19.5731, 5.5356

Rectangle

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



11.6366, 19.5731, 9.1259



10.6941, 19.5731, 29.8598



27.9105, 19.5731, 41.2526



29.6833, 19.5731, 14.5739

Sweetspot

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



11.6371, 19.5739, 9.1263



34.4254, 41.6074, 37.2530



17.2589, 22.5394, 6.3469



7.6846, 9.4671, 8.2319



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.



11.6371, 19.5739, 9.1263



18.6504, 34.0150, 12.1232



13.5943, 20.3568, 19.4331



5.0187, 5.6270, 5.6197



8.5992, 16.7723, 4.1802



0.0622, 0.1134, 0.0544

Inverse Universe

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



14.9573, 8.9704, 17.7737



25.0506, 13.4279, 28.6826



12.9489, 8.1671, 7.1977



5.1825, 5.1084, 6.0494



11.9192, 5.8778, 12.6105



0.0850, 0.0414, 0.1142

Previews

White Background



This preview shows how the XYZ color 11.6366, 19.5731, 9.1259 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 11.6366, 19.5731, 9.1259 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 11.6366, 19.5731, 9.1259

Background



This preview shows how black text looks on a background with the XYZ color 11.6366, 19.5731, 9.1259.



This preview shows how white text looks on a background with the XYZ color 11.6366, 19.5731,

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

11.6366, 19.5731, 9.1259

Protanopia

17.7452, 19.3691, 7.8044

Deuteranopia

19.6176, 19.2296, 9.6989



Tritanopia

15.5246, 19.4877, 28.5345

Trichromacy



Original Color

11.6366, 19.5731, 9.1259

Protanomaly

14.3258, 18.7272, 8.1698

Deuteranomaly

15.0332, 18.3028, 9.3971

Tritanomaly

13.6641, 19.3353, 19.5349

Monochromacy



Original Color

11.6366, 19.5731, 9.1259

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 11.6366, 19.5731, 9.1259 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(49, 139, 71)` looks like.

```
.text, #text, p{  
    color:rgb(49, 139, 71)  
}
```

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(49, 139, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 139, 71) }
```

Border

The CSS property to change the border of an element to XYZ 11.6366, 19.5731, 9.1259 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(49, 139, 71) }
```


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

```
.border{ border-color:rgb(49, 139, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 139, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 139, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 139, 71);  
box-shadow:4px 4px 4px 4px rgb(49, 139,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6366, 19.5731, 9.1259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 139, 71) }
```

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

```
.background{ background-color: rgb(49, 139,  
71) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor