

Converting Colors

XYZ(12.3625, 19.5195, 8.9016)

Have a look what the booklet for
XYZ(12.3625, 19.5195, 8.9016)
contains.

XYZ(12.3659, 19.5268, 8.9117)	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(12.3659, 19.5268,
8.9117)**

Conversions

Conversions Part 1

Format	Color
Hex	438946
RGB	67, 137, 70
RGB Percent	26%, 54%, 27%
CMY	0.7373, 0.4627, 0.7255
CMYK	0.51, 0.00, 0.49, 0.46
HSL	123°, 34%, 40%
HSV	123°, 51%, 54%
XYZ	12.3659, 19.5268, 8.9117
YIQ	108.4320, -20.2130, -35.6770

Conversions

Conversions Part 2

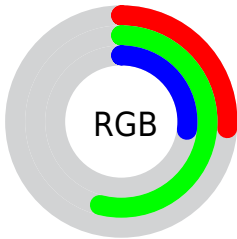
Format	Color
RYB	67, 134, 137
Decimal	4426054
CIELab	51.30, -36.72, 29.20
CIELCh	51, 46.912, 141.513
Yxy	19.5268, 0.3031, 0.4785
Android (android.graphics.Color)	4282616134 (0xFF438946)
YUV	108.4320, -18.9470, -36.3359
Hunter-Lab	44.1891, -27.3795, 18.9753

Details

The XYZ color **12.3659, 19.5268, 8.9117** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.6273, 11.0542, 23.8120**, and the grayscale version is **14.4315, 15.1831, 16.5344**.

A 20% lighter version of the original color is **29.7667, 42.6107, 24.4251**, and **3.5325, 6.7433, 1.9260** is the 20% darker color. If you saturate the color by 10%, you get **11.1658, 18.9514, 6.9259**, and if you desaturate by 10%, it is **13.8796, 20.2545, 11.3849**.

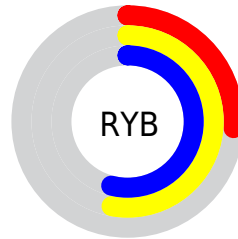
Distribution



Red (26%)

Green (54%)

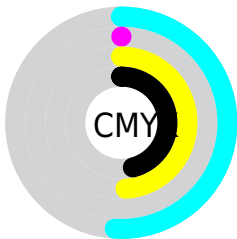
Blue (27%)



Red (26%)

Yellow (53%)

Blue (54%)

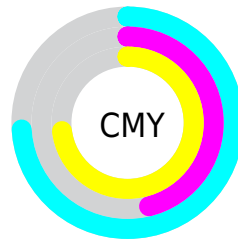


Cyan (51%)

Magenta (0%)

Yellow (49%)

Black (46%)



Cyan (74%)

Magenta (46%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3659, 19.5268, 8.9117 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 12.3659, 19.5268, 8.9117 by changing the saturation by 10% instead.

■ 12.3659, 19.5268,
8.9117

■ 12.3659, 19.5268,
8.9117

200.5337,
249.3418, 192.9116

■ 7.0674, 12.0515,
4.5876

■ 29.7709, 42.6224,
24.3023

■ 3.5510, 6.7788,
1.9529

■ 42.6081, 59.0115,
36.2059

■ 1.4514, 3.3241,
0.5261

■ 58.6888, 79.1407,
51.4731

■ 0.2924, 1.3032,
0.0000

■ 78.3785, 103.3944,
70.5224

■ 0.0000, 0.1437,
0.0000

■ 102.0424,
132.1570, 93.7723

■ 0.0000, 0.0000,
0.0000

130.0461,

165.8128, 121.6415

162.7547,
204.7462, 154.5484

■ 12.3659, 19.5268,
8.9117

■ 12.3659, 19.5268,
8.9117

■ 11.1658, 18.9514,
6.9259

■ 13.8796, 20.2545,
11.3849

■ 10.2561, 18.5154,
5.3942

■ 15.7252, 21.1418,
14.3734

■ 9.6124, 18.2075,
4.2810

■ 17.9214, 22.1981,
17.9044

■ 9.2060, 18.0139,
3.5450

■ 20.4851, 23.4316,
22.0031

■ 8.9782, 17.9050,
3.1515

■ 23.4319, 24.8500,
26.6928

■ 26.7766, 26.4604,
31.9958

■ 30.5335, 28.2696,
37.9329

■ 34.7157, 30.2840,
44.5242

■ 39.3360, 32.5099,
51.7888

Harmonies

Analogous

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



15.4495, 19.5268, 5.1623



12.3659, 19.5268, 8.9117



11.0022, 19.5268, 17.6779

Triad

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



12.3659, 19.5268, 8.9117



17.2621, 19.5268, 58.3264



28.2606, 19.5268, 13.1373

Complementary

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



12.3659, 19.5268, 8.9117



16.6273, 11.0542, 23.8120

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.



28.9661, 19.5268, 25.2991



12.3659, 19.5268, 8.9117



22.0614, 19.5268, 55.4093

Square

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



12.3659, 19.5268, 8.9117



13.5008, 19.5268, 48.5094



26.5379, 19.5268, 41.6876



24.7465, 19.5268, 6.7898

Rectangle

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



12.3659, 19.5268, 8.9117



11.0606, 19.5268, 26.8349



26.5379, 19.5268, 41.6876



28.8552, 19.5268, 16.5185

Sweetspot

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



12.3664, 19.5276, 8.9121



34.6568, 40.9847, 36.1663



19.8977, 23.4208, 8.7823



7.5867, 9.1029, 7.8135



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.



12.3664, 19.5276, 8.9121



19.7638, 33.8262, 12.0162



13.7766, 20.0917, 16.3381



4.9800, 5.6115, 5.4156



8.3640, 16.6782, 2.9416



0.0566, 0.1112, 0.0248

Inverse Universe

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



16.6273, 11.0542, 23.8120



28.2647, 16.9060, 41.7317



14.6084, 10.2467, 13.1804



5.2247, 5.1253, 6.2720



13.4350, 6.4841, 20.5929



0.0906, 0.0436, 0.1438

Previews

White Background



This preview shows how the XYZ color 12.3659, 19.5268, 8.9117 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 12.3659, 19.5268, 8.9117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

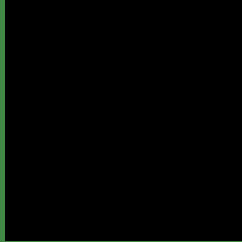
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3659, 19.5268, 8.9117

Background



This preview shows how black text looks on a background with the XYZ color 12.3659, 19.5268, 8.9117.



This preview shows how white text looks on a background with the XYZ color 12.3659, 19.5268,

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

12.3659, 19.5268, 8.9117

Protanopia

17.7452, 19.3691, 7.8044

Deuteranopia

19.5480, 19.2018, 9.3326



Tritanopia

16.0636, 19.3878, 27.7065

Trichromacy



Original Color

12.3659, 19.5268, 8.9117

Protanomaly

15.0329, 18.8990, 8.1657

Deuteranomaly

15.8815, 18.7479, 9.0850

Tritanomaly

14.4063, 19.3181, 19.1891

Monochromacy



Original Color

12.3659, 19.5268, 8.9117

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.1314, 16.3290, 13.0494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3659, 19.5268, 8.9117 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(67, 137, 70)` looks like.

```
.text, #text, p{  
    color:rgb(67, 137, 70)  
}
```

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(67, 137, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 137, 70) }
```

Border

The CSS property to change the border of an element to XYZ 12.3659, 19.5268, 8.9117 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(67, 137, 70) }
```


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

```
.border{ border-color:rgb(67, 137, 70) }
```

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

Here you see how a box with a 4 pixel rgb(67, 137, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 137, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 137, 70);  
box-shadow:4px 4px 4px 4px rgb(67, 137,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3659, 19.5268, 8.9117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 137, 70) }
```

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

```
.background{ background-color: rgb(67, 137,  
70) }
```

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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