

# Converting Colors

XYZ(23.9407, 34.9657, 16.1684)

Have a look what the booklet for  
XYZ(23.9407, 34.9657, 16.1684)  
contains.

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# Color

**XYZ(23.9059, 34.8476,  
16.0560)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FAF5E
RGB	111, 175, 94
RGB Percent	44%, 69%, 37%
CMY	0.5647, 0.3137, 0.6314
CMYK	0.37, 0.00, 0.46, 0.31
HSL	107°, 34%, 53%
HSV	107°, 46%, 69%
XYZ	23.9059, 34.8476, 16.0560
YIQ	146.6300, -12.1430, -38.7590

# Conversions

## Conversions Part 2

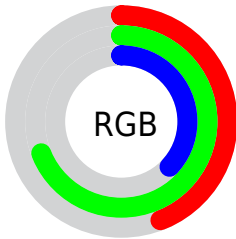
<b>Format</b>	<b>Color</b>
<b>RYB</b>	94, 175, 158
Decimal	7319390
CIELab	65.63, -36.24, 35.08
CIElCh	66, 50.434, 135.931
Yxy	34.8476, 0.3196, 0.4658
Android (android.graphics.Color)	4285509470 (0xFF6FAF5E)
YUV	146.6300, -25.9466, -31.2475
Hunter-Lab	59.0319, -31.0193, 25.1961

# Details

The XYZ color **23.9059, 34.8476, 16.0560** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **25.8428, 18.3708, 42.7432**, and the grayscale version is **27.6884, 29.1304, 31.7230**.

A 20% lighter version of the original color is **49.2813, 67.2265, 37.5727**, and **9.1781, 15.0081, 4.8957** is the 20% darker color. If you saturate the color by 10%, you get **21.6009, 33.7410, 12.3035**, and if you desaturate by 10%, it is **26.6601, 36.1672, 20.7603**.

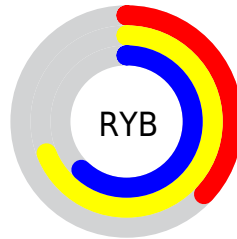
# Distribution



Red (44%)

Green (69%)

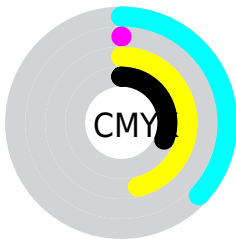
Blue (37%)



Red (37%)

Yellow (69%)

Blue (62%)

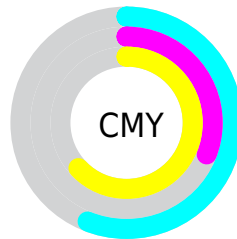


Cyan (37%)

Magenta (0%)

Yellow (46%)

Black (31%)



Cyan (56%)

Magenta (31%)

Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9059, 34.8476, 16.0560 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 23.9059, 34.8476, 16.0560 by changing the saturation by 10% instead.



■ 23.9059, 34.8476,  
16.0560

■ 23.9059, 34.8476,  
16.0560

264.7937,  
323.8951, 241.5289

■ 15.3882, 23.5455,  
9.4090

■ 49.3324, 67.2496,  
37.4635

■ 9.1804, 14.9968,  
4.9085

■ 66.9719, 89.1183,  
53.0612

■ 4.9171, 8.8172,  
2.1359

■ 88.3827, 115.2780,  
72.4794

■ 2.2329, 4.6221,  
0.6370

■ 113.9301,  
146.1131, 96.1368

■ 0.7600, 2.0273,  
0.0000

143.9796,  
182.0079, 124.4519

■ 0.0000, 0.6233,  
0.0000

178.8965,

■ 0.0000, 0.0000,

223.3470, 157.8433

0.0000

219.0460,  
270.5146, 196.7294

■ 23.9059, 34.8476,  
16.0560

■ 23.9059, 34.8476,  
16.0560

■ 21.6009, 33.7410,  
12.3035

■ 26.6601, 36.1672,  
20.7603

■ 19.7179, 32.8319,  
9.4358

■ 29.8835, 37.7058,  
26.4729

■ 18.2308, 32.1092,  
7.3808


■ 33.5980, 39.4746,  
33.2485


■ 17.1091, 31.5591,  
6.0540


■ 37.8233, 41.4826,  
41.1372


■ 16.3155, 31.1649,  
5.3422


■ 42.5780, 43.7384,  
50.1861

 16.0838, 31.0496,  
5.1455

 47.8799, 46.2502,  
60.4393

 53.7458, 49.0257,  
71.9387

 60.1918, 52.0724,  
84.7244

 67.2334, 55.3975,  
98.8345

# Harmonies

## Analogous

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



29.3641, 34.8476, 10.6828



23.9059, 34.8476, 16.0560



21.1379, 34.8476, 28.8659

# Triad

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



23.9059, 34.8476, 16.0560



29.7785, 34.8476, 92.8566



48.7919, 34.8476, 27.8123

# Complementary

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



23.9059, 34.8476, 16.0560



25.8428, 18.3708, 42.7432

# 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.



48.9471, 34.8476, 48.7479



23.9059, 34.8476, 16.0560



37.1867, 34.8476, 92.2351

# Square

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



23.9059, 34.8476, 16.0560



24.1701, 34.8476, 75.4445



44.4452, 34.8476, 73.9724



44.0483, 34.8476, 15.5336



# Rectangle

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



23.9059, 34.8476, 16.0560



20.8788, 34.8476, 42.3158



44.4452, 34.8476, 73.9724



49.4039, 34.8476, 33.8825

# Sweetspot

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



23.9068, 34.8491, 16.0568



61.6408, 71.3938, 62.2663



31.8343, 34.1902, 15.5118



13.3613, 15.7068, 13.2119



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.9068, 34.8491, 16.0568



38.4311, 60.3040, 21.6349



23.1551, 34.3244, 22.2199



8.0557, 9.0173, 8.5293



11.5607, 22.2569, 3.6867



0.3657, 0.6419, 0.1046



# Inverse Universe

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



25.8428, 18.3708, 42.7432



42.2960, 26.9484, 75.6092



27.3548, 19.3890, 32.0293



8.1701, 8.0620, 10.0782



13.1324, 6.1299, 29.5355



0.4061, 0.1916, 0.8236



# Previews

## White Background



This preview shows how the XYZ color 23.9059, 34.8476, 16.0560 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 23.9059, 34.8476, 16.0560 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

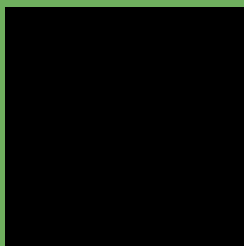
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 23.9059, 34.8476, 16.0560**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.9059, 34.8476, 16.0560.



This preview shows how white text looks on a background with the XYZ color 23.9059, 34.8476,



# 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

23.9059, 34.8476, 16.0560

### Protanopia

31.6151, 34.4995, 14.2253

### Deuteranopia

35.2667, 34.5830, 16.8730



## Tritanopia

30.1960, 34.6006, 47.7349

# Trichromacy



## Original Color

23.9059, 34.8476, 16.0560

## Protanomaly

28.0631, 34.2278, 14.8004

## Deuteranomaly

29.8797, 33.8100, 16.5064

## Tritanomaly

27.4184, 34.5790, 33.2463

# Monochromacy



## Original Color

23.9059, 34.8476, 16.0560

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

25.7848, 30.7408, 24.9966

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.9059, 34.8476, 16.0560 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(111, 175, 94)` looks like.

```
.text, #text, p{  
    color:rgb(111, 175, 94)  
}
```

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(111, 175, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 175, 94) }
```

## Border

The CSS property to change the border of an element to XYZ 23.9059, 34.8476, 16.0560 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(111, 175, 94) }
```



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

```
.border{ border-color:rgb(111, 175, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 175, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 175, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 175, 94);  
box-shadow:4px 4px 4px 4px rgb(111, 175,  
94) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.9059, 34.8476, 16.0560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 175, 94) }
```

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

```
.background{ background-color: rgb(111,  
175, 94) }
```

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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