

Converting Colors

XYZ(23.4341, 34.9118, 9.1416)

Have a look what the booklet for
XYZ(23.4341, 34.9118, 9.1416)
contains.

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Color

**XYZ(23.5510, 35.1084,
9.1498)**

Conversions

Conversions Part 1

Format	Color
Hex	75B037
RGB	117, 176, 55
RGB Percent	46%, 69%, 22%
CMY	0.5412, 0.3098, 0.7843
CMYK	0.34, 0.00, 0.69, 0.31
HSL	89°, 52%, 45%
HSV	89°, 69%, 69%
XYZ	23.5510, 35.1084, 9.1498
YIQ	144.5650, 3.6770, -50.1390

Conversions

Conversions Part 2

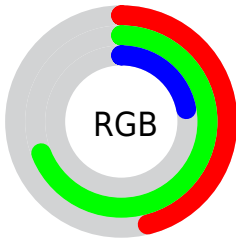
Format	Color
RYB	55, 176, 114
Decimal	7712823
CIELab	65.83, -38.68, 53.49
CIELCh	66, 66.011, 125.873
Yxy	35.1084, 0.3473, 0.5178
Android (android.graphics.Color)	4285902903 (0xFF75B037)
YUV	144.5650, -44.1555, -24.1745
Hunter-Lab	59.2523, -32.7433, 32.3210

Details

The XYZ color **23.5510, 35.1084, 9.1498** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **16.1438, 9.4455, 42.0486**, and the grayscale version is **26.9103, 28.3117, 30.8314**.

A 20% lighter version of the original color is **48.7970, 67.6802, 24.6791**, and **9.0696, 15.1901, 2.4540** is the 20% darker color. If you saturate the color by 10%, you get **22.1016, 34.4026, 7.2592**, and if you desaturate by 10%, it is **25.2583, 35.9319, 11.8391**.

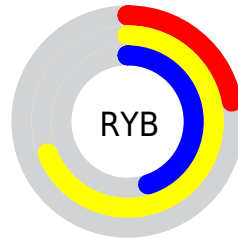
Distribution



Red (46%)

Green (69%)

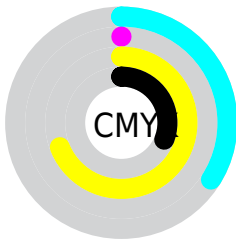
Blue (22%)



Red (22%)

Yellow (69%)

Blue (45%)

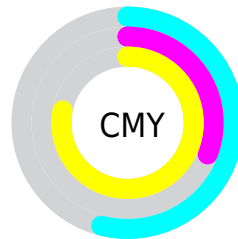


Cyan (34%)

Magenta (0%)

Yellow (69%)

Black (31%)



Cyan (54%)


Magenta (31%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5510, 35.1084, 9.1498 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 23.5510, 35.1084, 9.1498 by changing the saturation by 10% instead.


 23.5510, 35.1084,
9.1498


 23.5510, 35.1084,
9.1498


263.0254,
325.0465, 194.7505


 15.1238, 23.7464,
4.7409


 48.7565, 67.6537,
24.7659


 8.9932, 15.1456,
2.0400


 66.2656, 89.6057,
36.8101

 4.7938, 8.9216,
0.5797


 87.5326, 115.8565,
52.2366

 2.1603, 4.6901,
0.0000

 112.9230,
146.7906, 71.4638

 0.7217, 2.0666,
0.0000

 142.8022,
182.7922, 94.9102

 0.0000, 0.6457,
0.0000

 177.5354,

 0.0000, 0.0000,

224.2458, 122.9944

0.0000

217.4880,
271.5358, 156.1350

■ 23.5510, 35.1084,
9.1498

■ 23.5510, 35.1084,
9.1498

■ 22.1016, 34.4026,
7.2592

■ 25.2583, 35.9319,
11.8391

■ 20.8878, 33.8019,
6.0762

■ 27.2381, 36.8758,
15.4008

■ 19.8774, 33.2940,
5.4420

■ 29.5065, 37.9479,
19.9027

■ 19.7598, 33.2347,
5.3735

■ 32.0776, 39.1542,
25.4051

■ 34.9643, 40.5002,
31.9636

■ 38.1786, 41.9909,
39.6295

■ 41.7321, 43.6312,
48.4507

■ 45.6354, 45.4256,
58.4725

■ 49.8989, 47.3786,
69.7376

Harmonies

Analogous

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



31.4888, 35.1084, 5.8405



23.5510, 35.1084, 9.1498



19.0254, 35.1084, 20.2224

Triad

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



23.5510, 35.1084, 9.1498



26.2825, 35.1084, 111.0791



55.6904, 35.1084, 32.9952

Complementary

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



23.5510, 35.1084, 9.1498



16.1438, 9.4455, 42.0486

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.



53.5541, 35.1084, 64.6201



23.5510, 35.1084, 9.1498



35.3236, 35.1084, 120.2933

Square

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



23.5510, 35.1084, 9.1498



20.3743, 35.1084, 79.0763



45.5959, 35.1084, 100.2696



50.9689, 35.1084, 14.6180

Rectangle

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



23.5510, 35.1084, 9.1498



17.9543, 35.1084, 34.4946



45.5959, 35.1084, 100.2696



55.7604, 35.1084, 42.2195

Sweetspot

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



23.5518, 35.1099, 9.1506



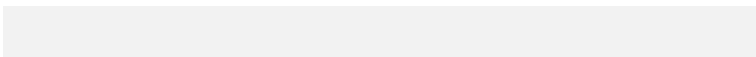
61.9828, 72.7860, 54.6626



24.5547, 21.4258, 6.4564



13.1246, 15.6303, 11.1425



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.



23.5518, 35.1099, 9.1506



39.0002, 61.8583, 12.0106



17.9043, 32.1985, 8.8863



8.7903, 9.6970, 9.0609



14.5652, 24.4187, 3.9456



0.5254, 0.8029, 0.1273

Inverse Universe

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



16.1438, 9.4455, 42.0486



24.7019, 12.2855, 75.5647



26.6560, 14.8647, 42.5406



8.4233, 8.4267, 10.6889



8.6209, 3.7801, 30.4122



0.3387, 0.1537, 0.9601

Previews

White Background



This preview shows how the XYZ color 23.5510, 35.1084, 9.1498 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 23.5510, 35.1084, 9.1498 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 23.5510, 35.1084, 9.1498

Background



This preview shows how black text looks on a background with the XYZ color 23.5510, 35.1084, 9.1498.



This preview shows how white text looks on a background with the XYZ color 23.5510, 35.1084,

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

23.5510, 35.1084, 9.1498

Protanopia

31.5284, 34.8456, 8.1961

Deuteranopia

35.2807, 34.5091, 9.6519



Tritanopia

31.1429, 34.8336, 47.2016

Trichromacy



Original Color

23.5510, 35.1084, 9.1498

Protanomaly

27.9664, 34.5883, 8.4510

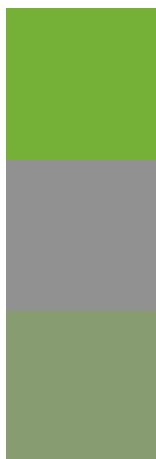
Deuteranomaly

29.7753, 33.9135, 9.3915

Tritanomaly

27.1384, 34.2879, 27.3782

Monochromacy



Original Color

23.5510, 35.1084, 9.1498

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

24.8048, 30.0977, 19.8313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5510, 35.1084, 9.1498 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(117, 176, 55)` looks like.

```
.text, #text, p{  
    color:rgb(117, 176, 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(117, 176, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 176, 55) }
```

Border

The CSS property to change the border of an element to XYZ 23.5510, 35.1084, 9.1498 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(117, 176, 55) }
```


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

```
.border{ border-color:rgb(117, 176, 55) }
```

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

Here you see how a box with a 4 pixel rgb(117, 176, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 176, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 176, 55);  
box-shadow:4px 4px 4px 4px rgb(117, 176,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5510, 35.1084, 9.1498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 176, 55) }
```

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

```
.background{ background-color: rgb(117,  
176, 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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