

Converting Colors

XYZ(34.4422, 49.6370, 15.6738)

Have a look what the booklet for
XYZ(34.4422, 49.6370, 15.6738)
contains.

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Color

**XYZ(34.4435, 49.6346,
15.7477)**

Conversions

Conversions Part 1

Format	Color
Hex	8FCC52
RGB	143, 204, 82
RGB Percent	56%, 80%, 32%
CMY	0.4392, 0.2000, 0.6784
CMYK	0.30, 0.00, 0.60, 0.20
HSL	90°, 54%, 56%
HSV	90°, 60%, 80%
XYZ	34.4435, 49.6346, 15.7477
YIQ	171.8530, 2.8060, -50.8740

Conversions

Conversions Part 2

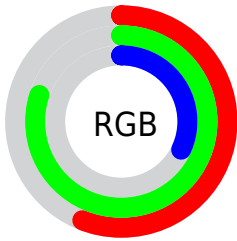
Format	Color
RYB	82, 204, 143
Decimal	9423954
CIELab	75.84, -39.41, 53.37
CIELCh	76, 66.343, 126.442
Yxy	49.6346, 0.3450, 0.4972
Android (android.graphics.Color)	4287614034 (0xFF8FCC52)
YUV	171.8530, -44.2975, -25.3041
Hunter-Lab	70.4518, -36.0231, 36.0635

Details

The XYZ color **34.4435, 49.6346, 15.7477** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **25.2464, 16.2354, 58.9328**, and the grayscale version is **39.3555, 41.4050, 45.0901**.

A 20% lighter version of the original color is **63.9526, 85.5486, 36.0636**, and **14.9584, 23.6442, 4.7527** is the 20% darker color. If you saturate the color by 10%, you get **32.0937, 48.5015, 12.1707**, and if you desaturate by 10%, it is **37.1871, 50.9471, 20.5495**.

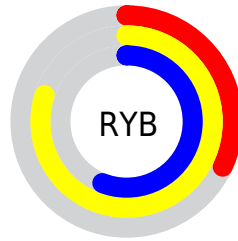
Distribution



Red (56%)

Green (80%)

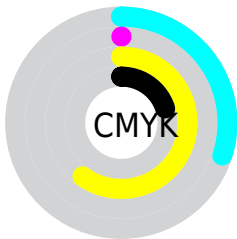
Blue (32%)



Red (32%)

Yellow (80%)

Blue (56%)

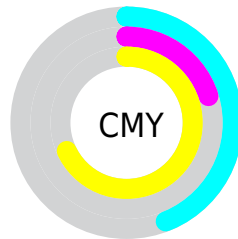


Cyan (30%)

Magenta (0%)

Yellow (60%)

Black (20%)



Cyan (44%)


Magenta (20%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4435, 49.6346, 15.7477 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 34.4435, 49.6346, 15.7477 by changing the saturation by 10% instead.


 34.4435, 49.6346,
15.7477


 34.4435, 49.6346,
15.7477


313.6563,
385.2353, 239.6430

 23.3990, 35.1231,
9.1934

 65.9625, 89.6332,
36.9203


 15.0107, 23.7578,
4.7690


 87.1677, 115.8892,
52.3757


 8.9133, 15.1540,
2.0560


 112.4905,
146.8289, 71.6352

 4.7413, 8.9276,
0.5894

 142.2963,
182.8365, 95.1173

 2.1295, 4.6940,
0.0000

 176.9504,
224.2966, 123.2406

 0.7052, 2.0688,
0.0000

216.8182,

 0.0000, 0.6470,

271.5935, 156.4236

0.0000

262.2651,
325.1116, 195.0849

■ 0.0000, 0.0000,
0.0000

■ 34.4435, 49.6346,
15.7477

■ 34.4435, 49.6346,
15.7477

■ 32.0937, 48.5015,
12.1707

■ 37.1871, 50.9471,
20.5495

■ 30.1086, 47.5308,
9.7039

■ 40.3435, 52.4421,
26.6708

■ 28.4601, 46.7121,
8.2162

■ 43.9345, 54.1304,
34.2007

■ 27.0978, 46.0250,
7.4670

■ 47.9793, 56.0201,
43.2196

■ 27.0728, 46.0124,
7.4544

■ 52.4956, 58.1188,
53.8018

■ 57.5001, 60.4335,
66.0168

■ 63.0086, 62.9710,
79.9297

■ 69.0362, 65.7377,
95.6022

■ 73.8417, 68.0375,
103.8484

Harmonies

Analogous

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



44.5648, 49.6346, 10.7469



34.4435, 49.6346, 15.7477



28.6039, 49.6346, 31.1874

Triad

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



34.4435, 49.6346, 15.7477



38.3175, 49.6346, 143.2820



74.8868, 49.6346, 46.7751

Complementary

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



34.4435, 49.6346, 15.7477



25.2464, 16.2354, 58.9328

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.



72.4281, 49.6346, 85.9918



34.4435, 49.6346, 15.7477



49.8877, 49.6346, 153.5404

Square

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



34.4435, 49.6346, 15.7477



30.5528, 49.6346, 105.2668



62.7138, 49.6346, 129.1732



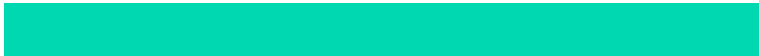
68.9441, 49.6346, 22.9033

Rectangle

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



34.4435, 49.6346, 15.7477



27.2427, 49.6346, 49.9369



62.7138, 49.6346, 129.1732



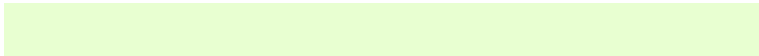
75.0285, 49.6346, 58.3695

Sweetspot

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



34.4447, 49.6368, 15.7488



80.5754, 93.2923, 74.1470



36.2493, 33.0934, 12.4605



16.7990, 19.7599, 14.8461



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



34.4447, 49.6368, 15.7488



52.0540, 79.7870, 18.6857



26.5971, 45.5912, 15.3815



11.5935, 12.8078, 11.9406



17.1465, 29.0147, 4.6967



0.9721, 1.5420, 0.2464

Inverse Universe

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



25.2464, 16.2354, 58.9328



35.4754, 19.5859, 96.5184



38.8203, 23.2330, 59.5680



11.1273, 11.1149, 14.1293



10.4168, 4.5776, 36.2908



0.6249, 0.2813, 1.8763

Previews

White Background



This preview shows how the XYZ color 34.4435, 49.6346, 15.7477 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 34.4435, 49.6346, 15.7477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

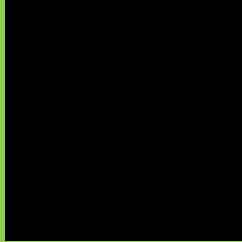
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.4435, 49.6346, 15.7477

Background



This preview shows how black text looks on a background with the XYZ color 34.4435, 49.6346, 15.7477.



This preview shows how white text looks on a background with the XYZ color 34.4435, 49.6346,

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

34.4435, 49.6346, 15.7477

Protanopia

44.6306, 48.9190, 14.1112

Deuteranopia

50.2007, 49.0055, 16.4860



Tritanopia

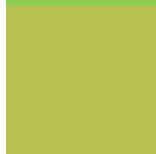
44.5912, 49.3437, 66.2056

Trichromacy



Original Color

34.4435, 49.6346, 15.7477



Protanomaly

40.2484, 48.8948, 14.7135



Deuteranomaly

42.7793, 48.2345, 16.0723



Tritanomaly

39.5879, 48.9585, 41.5459

Monochromacy



Original Color

34.4435, 49.6346, 15.7477



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

36.4986, 43.7221, 30.9416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4435, 49.6346, 15.7477 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(143, 204, 82)` looks like.

```
.text, #text, p{  
    color:rgb(143, 204, 82)  
}
```

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(143, 204, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 204, 82) }
```

Border

The CSS property to change the border of an element to XYZ 34.4435, 49.6346, 15.7477 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(143, 204, 82) }
```


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

```
.border{ border-color:rgb(143, 204, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 204, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 204, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 204, 82);  
box-shadow:4px 4px 4px 4px rgb(143, 204,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4435, 49.6346, 15.7477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 204, 82) }
```

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

```
.background{ background-color: rgb(143,  
204, 82) }
```

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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