

Converting Colors

XYZ(35.5701, 47.0399, 24.4842)

Have a look what the booklet for
XYZ(35.5701, 47.0399, 24.4842)
contains.

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Color

**XYZ(35.5476, 46.9175,
24.3220)**

Conversions

Conversions Part 1

Format	Color
Hex	97C376
RGB	151, 195, 118
RGB Percent	59%, 76%, 46%
CMY	0.4078, 0.2353, 0.5372
CMYK	0.23, 0.00, 0.39, 0.24
HSL	94°, 39%, 61%
HSV	94°, 39%, 76%
XYZ	35.5476, 46.9175, 24.3220
YIQ	173.0660, -1.5070, -33.2750

Conversions

Conversions Part 2

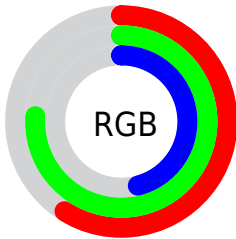
Format	Color
RYB	118, 195, 162
Decimal	9945974
CIELab	74.14, -28.28, 34.06
CIELCh	74, 44.268, 129.705
Yxy	46.9175, 0.3329, 0.4394
Android (android.graphics.Color)	4288136054 (0xFF97C376)
YUV	173.0660, -27.1475, -19.3519
Hunter-Lab	68.4964, -27.2323, 26.8945

Details

The XYZ color **35.5476, 46.9175, 24.3220** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **31.2311, 24.5798, 54.7306**, and the grayscale version is **39.8899, 41.9672, 45.7023**.

A 20% lighter version of the original color is **67.6147, 85.6829, 51.5029**, and **15.6053, 22.0638, 8.9051** is the 20% darker color. If you saturate the color by 10%, you get **32.5355, 45.4865, 18.7449**, and if you desaturate by 10%, it is **38.9972, 48.5492, 31.1720**.

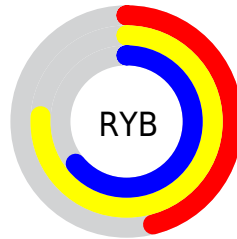
Distribution



Red (59%)

Green (76%)

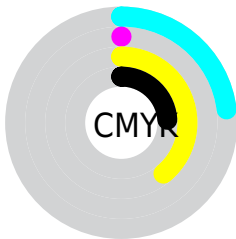
Blue (46%)



Red (46%)

Yellow (76%)

Blue (64%)

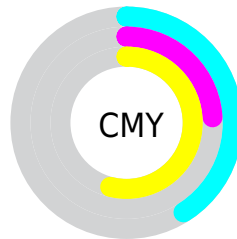


Cyan (23%)

Magenta (0%)

Yellow (39%)

Black (24%)



Cyan (41%)

Magenta (24%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5476, 46.9175, 24.3220 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 35.5476, 46.9175, 24.3220 by changing the saturation by 10% instead.

■ 35.5476, 46.9175,
24.3220

■ 35.5476, 46.9175,
24.3220

318.4447,
374.4851, 287.7832

■ 24.2535, 32.9704,
15.3582

■ 67.6617, 85.5905,
51.5056

■ 15.6475, 22.1038,
8.9218

■ 89.2123, 111.0852,
70.5624

■ 9.3643, 13.9332,
4.5941

■ 114.9126,
141.1978, 93.8208

■ 5.0386, 8.0742,
1.9566

145.1277,
176.3129, 121.6991

■ 2.3049, 4.1425,
0.5284

180.2232,
216.8148, 154.6160

■ 0.7972, 1.7536,
0.0000

220.5642,

■ 0.0000, 0.4580,

263.0879, 192.9899

0.0000

266.5163,
315.5165, 237.2395

■ 0.0000, 0.0000,
0.0000

■ 35.5476, 46.9175,
24.3220

■ 35.5476, 46.9175,
24.3220

■ 32.5355, 45.4865,
18.7449

■ 38.9972, 48.5492,
31.1720

■ 29.9371, 44.2413,
14.3590

■ 42.8995, 50.3837,
39.3637

■ 27.7313, 43.1746,
11.0781


■ 47.2732, 52.4305,
48.9646


■ 25.8936, 42.2756,
8.8028


■ 52.1350, 54.6968,
60.0367


■ 24.3954, 41.5324,
7.4162


■ 57.5006, 57.1894,
72.6384


 23.1900, 40.9255,
6.7059

 63.3847, 59.9149,
86.8250

 23.1335, 40.8970,
6.6746

 69.8019, 62.8795,
102.6488

 73.5525, 64.8038,
103.2395

 77.4560, 66.8162,
103.4222

Harmonies

Analogous

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



42.0732, 46.9175, 19.0060



35.5476, 46.9175, 24.3220



31.7704, 46.9175, 37.3898

Triad

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



35.5476, 46.9175, 24.3220



39.5127, 46.9175, 103.9429



61.3692, 46.9175, 44.0741

Complementary

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



35.5476, 46.9175, 24.3220



31.2311, 24.5798, 54.7306

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.



60.4726, 46.9175, 67.7728



35.5476, 46.9175, 24.3220



47.2128, 46.9175, 107.3278

Square

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



35.5476, 46.9175, 24.3220



33.8644, 46.9175, 84.3557



55.0573, 46.9175, 92.5690



57.3789, 46.9175, 27.9642

Rectangle

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



35.5476, 46.9175, 24.3220



31.0217, 46.9175, 50.8604



55.0573, 46.9175, 92.5690



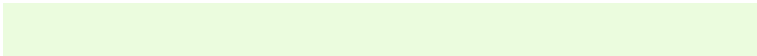
61.6392, 46.9175, 51.3107

Sweetspot

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



35.5488, 46.9195, 24.3230



82.4642, 92.8718, 82.7966



38.6334, 38.6236, 22.5592



17.8260, 20.2291, 17.6172



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.



35.5488, 46.9195, 24.3230



59.1629, 81.8896, 35.1687



30.5713, 44.3173, 25.7263



10.3446, 11.4651, 10.7296



15.1270, 26.6271, 4.3423



0.7323, 1.1911, 0.1913

Inverse Universe

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



31.2311, 24.5798, 54.7306



50.3894, 36.5527, 96.8694



38.2656, 28.2721, 52.0815



10.0669, 10.0256, 12.6894



10.7965, 4.8262, 33.9191



0.5441, 0.2485, 1.4692

Previews

White Background



This preview shows how the XYZ color 35.5476, 46.9175, 24.3220 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 35.5476, 46.9175, 24.3220 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 35.5476, 46.9175, 24.3220

Background



This preview shows how black text looks on a background with the XYZ color 35.5476, 46.9175, 24.3220.



This preview shows how white text looks on a background with the XYZ color 35.5476, 46.9175,

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

35.5476, 46.9175, 24.3220

Protanopia

42.9973, 46.6539, 22.3617

Deuteranopia

47.3265, 46.4539, 25.2110



Tritanopia

42.8785, 46.6546, 61.3889

Trichromacy



Original Color

35.5476, 46.9175, 24.3220

Protanomaly

39.9209, 46.6022, 23.1107

Deuteranomaly

42.1715, 46.1738, 24.7789

Tritanomaly

39.7514, 46.6684, 44.9430

Monochromacy



Original Color

35.5476, 46.9175, 24.3220

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

37.7907, 43.3470, 36.5120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5476, 46.9175, 24.3220 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(151, 195, 118)` looks like.

```
.text, #text, p{  
    color:rgb(151, 195, 118)  
}
```

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(151, 195, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 195, 118) }
```

Border

The CSS property to change the border of an element to XYZ 35.5476, 46.9175, 24.3220 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(151, 195, 118) }
```


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

```
.border{ border-color:rgb(151, 195, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 195, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 195, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 195, 118);  
box-shadow:4px 4px 4px 4px rgb(151, 195,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5476, 46.9175, 24.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 195, 118) }
```

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

```
.background{ background-color: rgb(151,  
195, 118) }
```

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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