

Converting Colors

$Yxy(38.3195, 0.3522, 0.4620)$

Have a look what the booklet for
Yxy(38.3195, 0.3522, 0.4620)
contains.

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Color

Yxy(38.0948, 0.3523, 0.4623)

Conversions

Conversions Part 1

Format	Color
Hex	90B159
RGB	144, 177, 89
RGB Percent	56%, 69%, 35%
CMY	0.4352, 0.3059, 0.6509
CMYK	0.19, 0.00, 0.50, 0.31
HSL	82°, 36%, 52%
HSV	82°, 50%, 69%
XYZ	29.0305, 38.0948, 15.2775
YIQ	157.1010, 8.5800, -34.3640

Conversions

Conversions Part 2

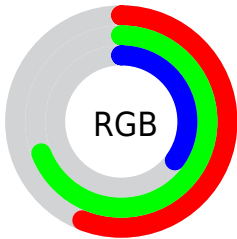
Format	Color
RYB	89, 177, 122
Decimal	9482585
CIELab	68.09, -25.73, 41.06
CIELCh	68, 48.455, 122.079
Yxy	38.0948, 0.3523, 0.4623
Android (android.graphics.Color)	4287672665 (0xFF90B159)
YUV	157.1010, -33.5738, -11.4896
Hunter-Lab	61.7210, -24.0542, 28.5289

Details

The Yxy color **38.0948, 0.3523, 0.4623** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **14.4589, 0.2525, 0.1869**, and the grayscale version is **33.9192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3430, 0.3464, 0.4359**, and **16.7859, 0.3580, 0.5055** is the 20% darker color. If you saturate the color by 10%, you get **37.2539, 0.3573, 0.4884**, and if you desaturate by 10%, it is **39.0457, 0.3457, 0.4346**.

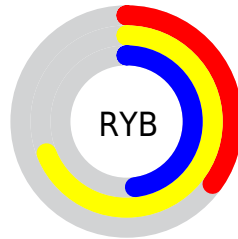
Distribution



Red (56%)

Green (69%)

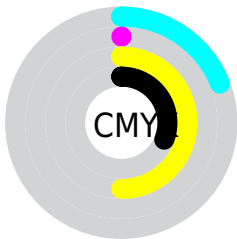
Blue (35%)



Red (35%)

Yellow (69%)

Blue (48%)

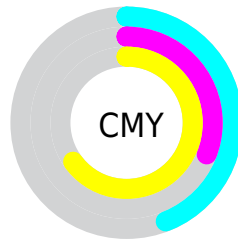


Cyan (19%)

Magenta (0%)

Yellow (50%)

Black (31%)



Cyan (44%)


Magenta (31%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0948, 0.3523, 0.4623 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 Yxy color 38.0948, 0.3523, 0.4623 by changing the saturation by 10% instead.

 38.0948, 0.3523,
0.4623


 38.0948, 0.3523,
0.4623


338.0265, 0.3349,
0.3912


 26.0563, 0.3553,
0.4810


 72.2534, 0.3468,
0.4356


 16.8657, 0.3582,
0.5053


 95.1423, 0.3445,
0.4258

 10.1388, 0.3598,
0.5376


 122.4168, 0.3424,
0.4176

 5.4911, 0.3596,
0.5854

 154.4612, 0.3405,
0.4107

 2.5382, 0.3479,
0.6521

191.6600, 0.3389,
0.4048

 0.8957, 0.1994,
0.8006

234.3975, 0.3374,

 0.0000, 0.0000,

0.3996

0.0000

283.0582, 0.3361,
0.3951

■ 38.0948, 0.3523,
0.4623

■ 38.0948, 0.3523,
0.4623

■ 37.2539, 0.3573,
0.4884

■ 39.0457, 0.3457,
0.4346

■ 36.5121, 0.3602,
0.5117

■ 40.1067, 0.3381,
0.4066

■ 35.8646, 0.3608,
0.5311


■ 41.2845, 0.3297,
0.3791

■ 35.3038, 0.3591,
0.5456

■ 42.5836, 0.3211,
0.3529


■ 34.8148, 0.3554,
0.5558

■ 44.0082, 0.3125,
0.3283

 34.8010, 0.3553,
0.5561

 45.5623, 0.3041,
0.3057

 47.2497, 0.2961,
0.2851

 49.0742, 0.2885,
0.2664

 51.0392, 0.2814,
0.2496

Harmonies

Analogous

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



38.0948, 0.4148, 0.4428



38.0948, 0.3523, 0.4623



38.0948, 0.2828, 0.4338

Triad

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



38.0948, 0.3523, 0.4623



38.0948, 0.1887, 0.2410



38.0948, 0.4032, 0.2912

Complementary

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



38.0948, 0.3523, 0.4623



14.4589, 0.2525, 0.1869

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.



38.0948, 0.3311, 0.2492



38.0948, 0.3523, 0.4623



38.0948, 0.2120, 0.2198

Square

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



38.0948, 0.3523, 0.4623



38.0948, 0.1926, 0.2907



38.0948, 0.2613, 0.2238



38.0948, 0.4495, 0.3428

Rectangle

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



38.0948, 0.3523, 0.4623



38.0948, 0.2419, 0.3897



38.0948, 0.2613, 0.2238



38.0948, 0.3806, 0.2757

Sweetspot

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



38.0965, 0.3523, 0.4623



74.9494, 0.3259, 0.3672



23.8106, 0.4238, 0.3764



16.1407, 0.3277, 0.3727



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



38.0965, 0.3523, 0.4623



66.5371, 0.3578, 0.4917



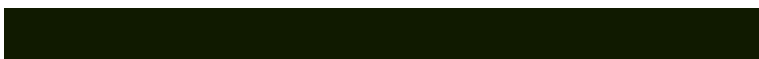
34.9172, 0.3142, 0.4798



9.7444, 0.3208, 0.3519



25.2507, 0.3560, 0.5556



0.8265, 0.3740, 0.5412

Inverse Universe

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



14.4589, 0.2525, 0.1869



19.1810, 0.2349, 0.1531



18.3499, 0.3038, 0.2059



8.3801, 0.3041, 0.3059



3.1799, 0.1819, 0.0776



0.1340, 0.2158, 0.0962

Previews

White Background



This preview shows how the Yxy color 38.0948, 0.3523, 0.4623 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 Yxy color 38.0948, 0.3523, 0.4623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

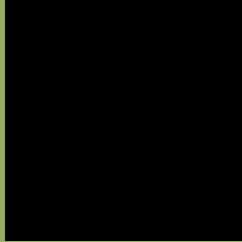
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0948, 0.3523, 0.4623

Background



This preview shows how black text looks on a background with the Yxy color 38.0948, 0.3523, 0.4623.



This preview shows how white text looks on a background with the Yxy color 38.0948, 0.3523, 0.4623.

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

38.0948, 0.3523, 0.4623

Protanopia

37.9956, 0.4005, 0.4373

Deuteranopia

37.8184, 0.4184, 0.4098



Tritanopia

38.0006, 0.2922, 0.3105

Trichromacy



Original Color

38.0948, 0.3523, 0.4623

Protanomaly

37.8564, 0.3828, 0.4471

Deuteranomaly

37.5067, 0.3936, 0.4287

Tritanomaly

37.9078, 0.3155, 0.3649

Monochromacy



Original Color

38.0948, 0.3523, 0.4623

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.8923, 0.3294, 0.3783

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0948, 0.3523, 0.4623 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(144, 177, 89)` looks like.

```
.text, #text, p{  
    color:rgb(144, 177, 89)  
}
```

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(144, 177, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 177, 89) }
```

Border

The CSS property to change the border of an element to Yxy 38.0948, 0.3523, 0.4623 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(144, 177, 89) }
```

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

```
.border{ border-color:rgb(144, 177, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 177, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 177, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 177, 89);  
box-shadow:4px 4px 4px 4px rgb(144, 177,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0948, 0.3523, 0.4623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 177, 89) }
```

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

```
.background{ background-color: rgb(144,  
177, 89) }
```

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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