

Converting Colors

$Yxy(38.3841, 0.3541, 0.4856)$

Have a look what the booklet for
Yxy(38.3841, 0.3541, 0.4856)
contains.

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Color

Yxy(38.5538, 0.3542, 0.4865)

Conversions

Conversions Part 1

Format	Color
Hex	8AB44B
RGB	138, 180, 75
RGB Percent	54%, 71%, 29%
CMY	0.4589, 0.2941, 0.7058
CMYK	0.23, 0.00, 0.58, 0.29
HSL	84°, 41%, 50%
HSV	84°, 58%, 71%
XYZ	28.0694, 38.5538, 12.6241
YIQ	155.4720, 8.6730, -41.5590

Conversions

Conversions Part 2

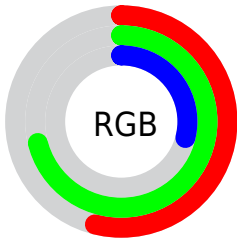
Format	Color
RYB	75, 180, 117
Decimal	9090123
CIELab	68.43, -30.94, 48.04
CIELCh	68, 57.142, 122.785
Yxy	38.5538, 0.3542, 0.4865
Android (android.graphics.Color)	4287280203 (0xFF8AB44B)
YUV	155.4720, -39.6727, -15.3229
Hunter-Lab	62.0917, -27.9672, 31.4097

Details

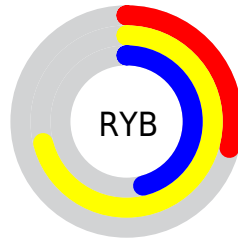
The Yxy color **38.5538, 0.3542, 0.4865** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **12.1193, 0.2420, 0.1620**, and the grayscale version is **33.1747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9925, 0.3499, 0.4554**, and **17.1642, 0.3579, 0.5355** is the 20% darker color. If you saturate the color by 10%, you get **37.7483, 0.3570, 0.5108**, and if you desaturate by 10%, it is **39.4733, 0.3494, 0.4596**.

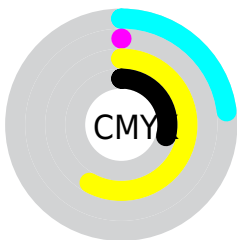
Distribution



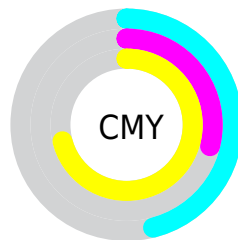
- Red (54%)
- Green (71%)
- Blue (29%)



- Red (29%)
- Yellow (71%)
- Blue (46%)



- Cyan (23%)
- Magenta (0%)
- Yellow (58%)
- Black (29%)





- Cyan (46%)
- Magenta (29%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5538, 0.3542, 0.4865 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 38.5538, 0.3542, 0.4865 by changing the saturation by 10% instead.


 38.5538, 0.3542,
0.4865

 38.5538, 0.3542,
0.4865


339.9897, 0.3373,
0.4026


 26.4128, 0.3563,
0.5082


 72.9562, 0.3494,
0.4552


 17.1327, 0.3574,
0.5359


 95.9863, 0.3472,
0.4437

 10.3292, 0.3556,
0.5720


 123.4150, 0.3451,
0.4340

 5.6177, 0.3563,
0.6360

 155.6266, 0.3433,
0.4258

 2.6141, 0.3203,
0.6797

 193.0054, 0.3416,
0.4187

 0.9337, 0.1233,
0.8767

235.9360, 0.3400,

 0.0000, 0.0000,

0.4126

0.0000

284.8026, 0.3386,
0.4073

■ 38.5538, 0.3542,
0.4865

■ 38.5538, 0.3542,
0.4865

■ 37.7483, 0.3570,
0.5108

■ 39.4733, 0.3494,
0.4596

■ 37.0448, 0.3576,
0.5312

■ 40.5077, 0.3431,
0.4314

■ 36.4372, 0.3558,
0.5468

■ 41.6644, 0.3358,
0.4031

■ 35.9127, 0.3519,
0.5577

■ 42.9484, 0.3278,
0.3755

■ 35.8296, 0.3512,
0.5593

■ 44.3647, 0.3195,
0.3494

■ 45.9177, 0.3113,
0.3250

■ 47.6117, 0.3034,
0.3027

■ 49.4508, 0.2958,
0.2824

■ 51.4388, 0.2886,
0.2641

Harmonies

Analogous

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



38.5538, 0.4274, 0.4601



38.5538, 0.3542, 0.4865



38.5538, 0.2743, 0.4532

Triad

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



38.5538, 0.3542, 0.4865



38.5538, 0.1714, 0.2255



38.5538, 0.4205, 0.2858

Complementary

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



38.5538, 0.3542, 0.4865



12.1193, 0.2420, 0.1620

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.



38.5538, 0.3355, 0.2385



38.5538, 0.3542, 0.4865



38.5538, 0.1981, 0.2037

Square

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



38.5538, 0.3542, 0.4865



38.5538, 0.1745, 0.2807



38.5538, 0.2542, 0.2094



38.5538, 0.4737, 0.3436

Rectangle

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



38.5538, 0.3542, 0.4865



38.5538, 0.2281, 0.3988



38.5538, 0.2542, 0.2094



38.5538, 0.3939, 0.2684

Sweetspot

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



38.5555, 0.3542, 0.4865



78.1177, 0.3269, 0.3728



22.9410, 0.4477, 0.3882



16.7801, 0.3285, 0.3781



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



38.5555, 0.3542, 0.4865



68.0514, 0.3574, 0.5171



35.1112, 0.3108, 0.5102



9.7335, 0.3204, 0.3519



25.0437, 0.3520, 0.5587



0.8208, 0.3710, 0.5436

Inverse Universe

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



12.1193, 0.2420, 0.1620



15.6497, 0.2225, 0.1274



16.8240, 0.3058, 0.1889



8.3907, 0.3045, 0.3059



3.3007, 0.1860, 0.0798



0.1383, 0.2196, 0.0984

Previews

White Background



This preview shows how the Yxy color 38.5538, 0.3542, 0.4865 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 38.5538, 0.3542, 0.4865 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 38.5538, 0.3542, 0.4865

Background



This preview shows how black text looks on a background with the Yxy color 38.5538, 0.3542, 0.4865.



This preview shows how white text looks on a background with the Yxy color 38.5538, 0.3542, 0.4865.

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

38.5538, 0.3542, 0.4865

Protanopia

38.4067, 0.4118, 0.4524

Deuteranopia

38.0269, 0.4321, 0.4226



Tritanopia

38.4287, 0.2874, 0.3104

Trichromacy



Original Color

38.5538, 0.3542, 0.4865

Protanomaly

38.2978, 0.3901, 0.4659

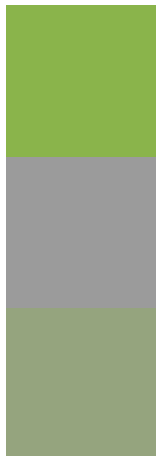
Deuteranomaly

37.6607, 0.4030, 0.4450

Tritanomaly

38.0734, 0.3141, 0.3745

Monochromacy



Original Color

38.5538, 0.3542, 0.4865

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.4468, 0.3318, 0.3883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5538, 0.3542, 0.4865 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(138, 180, 75)` looks like.

```
.text, #text, p{  
    color:rgb(138, 180, 75)  
}
```

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(138, 180, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 180, 75) }
```

Border

The CSS property to change the border of an element to Yxy 38.5538, 0.3542, 0.4865 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(138, 180, 75) }
```

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

```
.border{ border-color:rgb(138, 180, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 180, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 180, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 180, 75);  
box-shadow:4px 4px 4px 4px rgb(138, 180,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5538, 0.3542, 0.4865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 180, 75) }
```

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

```
.background{ background-color: rgb(138,  
180, 75) }
```

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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