

Converting Colors

$Yxy(38.4212, 0.3500, 0.4942)$

Have a look what the booklet for
Yxy(38.4212, 0.3500, 0.4942)
contains.

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Color

Yxy(38.4212, 0.3500, 0.4942)

Conversions

Conversions Part 1

Format	Color
Hex	84B548
RGB	132, 181, 72
RGB Percent	52%, 71%, 28%
CMY	0.4823, 0.2902, 0.7176
CMYK	0.27, 0.00, 0.60, 0.29
HSL	87°, 43%, 50%
HSV	87°, 60%, 71%
XYZ	27.2105, 38.4212, 12.1126
YIQ	153.9230, 5.7850, -44.2870

Conversions

Conversions Part 2

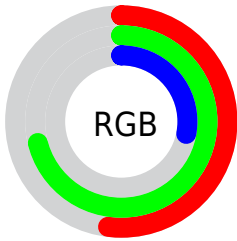
Format	Color
RYB	72, 181, 121
Decimal	8697160
CIELab	68.33, -33.96, 49.21
CIElCh	68, 59.786, 124.607
Yxy	38.4212, 0.3500, 0.4942
Android (android.graphics.Color)	4286887240 (0xFF84B548)
YUV	153.9230, -40.3880, -19.2265
Hunter-Lab	61.9848, -30.1144, 31.8034

Details

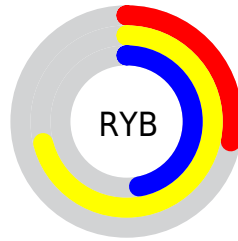
The Yxy color **38.4212, 0.3500, 0.4942** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **12.0358, 0.2451, 0.1591**, and the grayscale version is **32.4597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7150, 0.3468, 0.4614**, and **17.0955, 0.3504, 0.5468** is the 20% darker color. If you saturate the color by 10%, you get **37.5898, 0.3517, 0.5188**, and if you desaturate by 10%, it is **39.3767, 0.3464, 0.4668**.

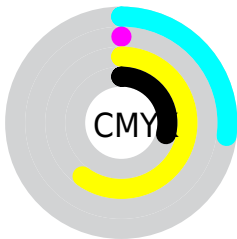
Distribution



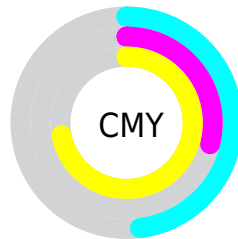
- Red (52%)
- Green (71%)
- Blue (28%)



- Red (28%)
- Yellow (71%)
- Blue (47%)



- Cyan (27%)
- Magenta (0%)
- Yellow (60%)
- Black (29%)



- Cyan (48%)
- Magenta (29%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4212, 0.3500, 0.4942 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 38.4212, 0.3500, 0.4942 by changing the saturation by 10% instead.


 38.4212, 0.3500,
0.4942

 38.4212, 0.3500,
0.4942


339.4234, 0.3358,
0.4058


 26.3098, 0.3512,
0.5171


 72.7533, 0.3463,
0.4612


 17.0555, 0.3510,
0.5465


 95.7427, 0.3445,
0.4490

 10.2741, 0.3473,
0.5846


 123.1269, 0.3427,
0.4388

 5.5811, 0.3458,
0.6542

 155.2903, 0.3411,
0.4302

 2.5921, 0.3030,
0.6970

 192.6172, 0.3396,
0.4228

 0.9227, 0.0491,
0.9509

235.4921, 0.3382,

 0.0000, 0.0000,

0.4164

0.0000

284.2994, 0.3369,
0.4108

■ 38.4212, 0.3500,
0.4942

■ 38.4212, 0.3500,
0.4942

■ 37.5898, 0.3517,
0.5188

■ 39.3767, 0.3464,
0.4668

■ 36.8700, 0.3511,
0.5392

■ 40.4578, 0.3411,
0.4381

■ 36.2547, 0.3482,
0.5545

■ 41.6724, 0.3348,
0.4091

■ 35.7379, 0.3438,
0.5652

■ 43.0259, 0.3277,
0.3810

■ 44.5238, 0.3203,
0.3543

■ 46.1709, 0.3129,
0.3295

■ 47.9719, 0.3056,
0.3068

■ 49.9311, 0.2986,
0.2863

■ 52.0530, 0.2919,
0.2678

Harmonies

Analogous

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



38.4212, 0.4274, 0.4679



38.4212, 0.3500, 0.4942



38.4212, 0.2672, 0.4556

Triad

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



38.4212, 0.3500, 0.4942



38.4212, 0.1669, 0.2187



38.4212, 0.4303, 0.2871

Complementary

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



38.4212, 0.3500, 0.4942



12.0358, 0.2451, 0.1591

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.



38.4212, 0.3419, 0.2374



38.4212, 0.3500, 0.4942



38.4212, 0.1962, 0.1984

Square

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



38.4212, 0.3500, 0.4942



38.4212, 0.1679, 0.2734



38.4212, 0.2560, 0.2060



38.4212, 0.4828, 0.3471

Rectangle

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



38.4212, 0.3500, 0.4942



38.4212, 0.2203, 0.3963



38.4212, 0.2560, 0.2060



38.4212, 0.4029, 0.2690

Sweetspot

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



38.4229, 0.3500, 0.4942



77.5513, 0.3263, 0.3757



23.5417, 0.4501, 0.3946



16.6024, 0.3284, 0.3836



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.



38.4229, 0.3500, 0.4942



66.9158, 0.3517, 0.5253



35.1903, 0.3082, 0.5179



9.7129, 0.3197, 0.3520



24.6780, 0.3447, 0.5645



0.8105, 0.3653, 0.5482

Inverse Universe

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



12.0358, 0.2451, 0.1591



15.5513, 0.2267, 0.1261



16.9396, 0.3100, 0.1872



8.4109, 0.3053, 0.3060



3.5567, 0.1943, 0.0844



0.1467, 0.2272, 0.1025

Previews

White Background



This preview shows how the Yxy color 38.4212, 0.3500, 0.4942 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 38.4212, 0.3500, 0.4942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

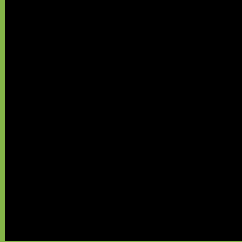
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4212, 0.3500, 0.4942

Background



This preview shows how black text looks on a background with the Yxy color 38.4212, 0.3500, 0.4942.



This preview shows how white text looks on a background with the Yxy color 38.4212, 0.3500, 0.4942.

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

38.4212, 0.3500, 0.4942

Protanopia

38.0041, 0.4146, 0.4542

Deuteranopia

37.9974, 0.4337, 0.4246



Tritanopia

38.3714, 0.2826, 0.3102

Trichromacy



Original Color

38.4212, 0.3500, 0.4942

Protanomaly

37.6625, 0.3907, 0.4692

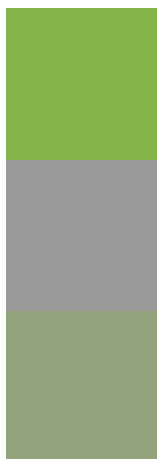
Deuteranomaly

37.2592, 0.4020, 0.4498

Tritanomaly

38.0061, 0.3096, 0.3766

Monochromacy



Original Color

38.4212, 0.3500, 0.4942

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

34.1171, 0.3306, 0.3920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4212, 0.3500, 0.4942 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(132, 181, 72)` looks like.

```
.text, #text, p{  
    color:rgb(132, 181, 72)  
}
```

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(132, 181, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 181, 72) }
```

Border

The CSS property to change the border of an element to Yxy 38.4212, 0.3500, 0.4942 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(132, 181, 72) }
```

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

```
.border{ border-color:rgb(132, 181, 72) }
```

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

Here you see how a box with a 4 pixel rgb(132, 181, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 181, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 181, 72);  
box-shadow:4px 4px 4px 4px rgb(132, 181,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4212, 0.3500, 0.4942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 181, 72) }
```

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

```
.background{ background-color: rgb(132,  
181, 72) }
```

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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