

Converting Colors

$Yxy(35.3585, 0.3483, 0.4873)$

Have a look what the booklet for
Yxy(35.3585, 0.3483, 0.4873)
contains.

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Color

Yxy(35.3557, 0.3481, 0.4870)

Conversions

Conversions Part 1

Format	Color
Hex	80AE4A
RGB	128, 174, 74
RGB Percent	50%, 68%, 29%
CMY	0.4981, 0.3176, 0.7098
CMYK	0.26, 0.00, 0.57, 0.32
HSL	88°, 40%, 49%
HSV	88°, 57%, 68%
XYZ	25.2717, 35.3557, 11.9716
YIQ	148.8460, 4.6840, -40.8520

Conversions

Conversions Part 2

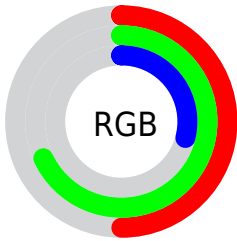
Format	Color
RYB	74, 174, 120
Decimal	8433226
CIELab	66.02, -32.04, 45.61
CIELCh	66, 55.737, 125.087
Yxy	35.3557, 0.3481, 0.4870
Android (android.graphics.Color)	4286623306 (0xFF80AE4A)
YUV	148.8460, -36.8991, -18.2819
Hunter-Lab	59.4607, -28.1909, 29.6853

Details

The Yxy color **35.3557, 0.3481, 0.4870** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **11.9505, 0.2506, 0.1678**, and the grayscale version is **30.1424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1673, 0.3441, 0.4546**, and **15.2247, 0.3498, 0.5394** is the 20% darker color. If you saturate the color by 10%, you get **34.5576, 0.3502, 0.5126**, and if you desaturate by 10%, it is **36.2708, 0.3441, 0.4590**.

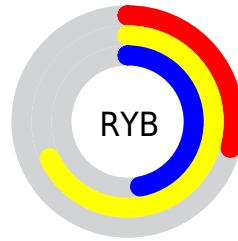
Distribution



Red (50%)

Green (68%)

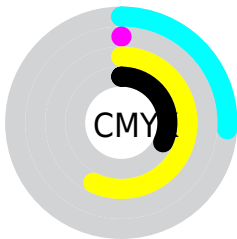
Blue (29%)



Red (29%)

Yellow (68%)

Blue (47%)

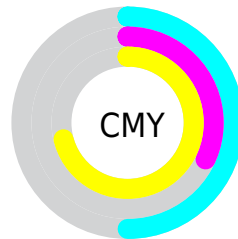


Cyan (26%)

Magenta (0%)

Yellow (57%)

Black (32%)



Cyan (50%)


Magenta (32%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3557, 0.3481, 0.4870 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 35.3557, 0.3481, 0.4870 by changing the saturation by 10% instead.


 35.3557, 0.3481,
0.4870


 35.3557, 0.3481,
0.4870


326.1356, 0.3340,
0.4012

 23.9370, 0.3495,
0.5099


 68.0364, 0.3443,
0.4545


 15.2869, 0.3497,
0.5395


 90.0673, 0.3425,
0.4427

 9.0210, 0.3464,
0.5788


 116.4043, 0.3407,
0.4328

 4.7549, 0.3464,
0.6536

 147.4318, 0.3391,
0.4245

 2.1042, 0.3009,
0.6991

 183.5344, 0.3377,
0.4174

 0.6670, 0.0000,
1.0000

225.0962, 0.3363,

 0.0000, 0.0000,

0.4113

0.0000

272.5018, 0.3351,
0.4059

■ 35.3557, 0.3481,
0.4870

■ 35.3557, 0.3481,
0.4870

■ 34.5576, 0.3502,
0.5126

■ 36.2708, 0.3441,
0.4590

■ 33.8652, 0.3502,
0.5345

■ 37.3043, 0.3387,
0.4300

■ 33.2725, 0.3479,
0.5516

■ 38.4631, 0.3323,
0.4011

■ 32.7684, 0.3436,
0.5636

■ 39.7523, 0.3254,
0.3734

■ 32.6503, 0.3425,
0.5663

■ 41.1765, 0.3181,
0.3472

■ 42.7404, 0.3109,
0.3231

■ 44.4482, 0.3038,
0.3011

■ 46.3039, 0.2971,
0.2812

■ 48.3113, 0.2907,
0.2633

Harmonies

Analogous

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



35.3557, 0.4228, 0.4640



35.3557, 0.3481, 0.4870



35.3557, 0.2683, 0.4485

Triad

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



35.3557, 0.3481, 0.4870



35.3557, 0.1720, 0.2224



35.3557, 0.4266, 0.2898

Complementary

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



35.3557, 0.3481, 0.4870



11.9505, 0.2506, 0.1678

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.



35.3557, 0.3424, 0.2412



35.3557, 0.3481, 0.4870



35.3557, 0.2009, 0.2028

Square

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



35.3557, 0.3481, 0.4870



35.3557, 0.1727, 0.2749



35.3557, 0.2595, 0.2105



35.3557, 0.4763, 0.3482

Rectangle

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



35.3557, 0.3481, 0.4870



35.3557, 0.2231, 0.3919



35.3557, 0.2595, 0.2105



35.3557, 0.4006, 0.2721

Sweetspot

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



35.3573, 0.3481, 0.4870



72.1407, 0.3252, 0.3729



22.6895, 0.4398, 0.3946



15.9279, 0.3266, 0.3782



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.



35.3573, 0.3481, 0.4870



62.3131, 0.3504, 0.5191



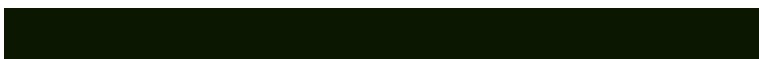
32.4324, 0.3075, 0.5088



9.1442, 0.3195, 0.3519



23.7146, 0.3432, 0.5657



0.6918, 0.3661, 0.5476

Inverse Universe

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



11.9505, 0.2506, 0.1678



15.7575, 0.2327, 0.1343



16.3907, 0.3125, 0.1936



7.9310, 0.3055, 0.3061



3.4910, 0.1964, 0.0856



0.1299, 0.2321, 0.1052

Previews

White Background



This preview shows how the Yxy color 35.3557, 0.3481, 0.4870 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 35.3557, 0.3481, 0.4870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

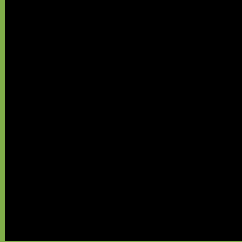
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3557, 0.3481, 0.4870

Background



This preview shows how black text looks on a background with the Yxy color 35.3557, 0.3481, 0.4870.



This preview shows how white text looks on a background with the Yxy color 35.3557, 0.3481, 0.4870.

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

35.3557, 0.3481, 0.4870

Protanopia

35.0488, 0.4110, 0.4496

Deuteranopia

34.9060, 0.4299, 0.4203



Tritanopia

35.0798, 0.2832, 0.3096

Trichromacy



Original Color

35.3557, 0.3481, 0.4870

Protanomaly

34.8388, 0.3874, 0.4640

Deuteranomaly

34.4623, 0.3987, 0.4438

Tritanomaly

34.8199, 0.3088, 0.3734

Monochromacy



Original Color

35.3557, 0.3481, 0.4870

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.5216, 0.3286, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3557, 0.3481, 0.4870 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(128, 174, 74)` looks like.

```
.text, #text, p{  
    color:rgb(128, 174, 74)  
}
```

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(128, 174, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 174, 74) }
```

Border

The CSS property to change the border of an element to Yxy 35.3557, 0.3481, 0.4870 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(128, 174, 74) }
```

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

```
.border{ border-color:rgb(128, 174, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 174, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 174, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 174, 74);  
box-shadow:4px 4px 4px 4px rgb(128, 174,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3557, 0.3481, 0.4870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 174, 74) }
```

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

```
.background{ background-color: rgb(128,  
174, 74) }
```

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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