

Converting Colors

$Yxy(34.5011, 0.2876, 0.4581)$

Have a look what the booklet for
Yxy(34.5011, 0.2876, 0.4581)
contains.

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Color

Yxy(34.5011, 0.2876, 0.4581)

Conversions

Conversions Part 1

Format	Color
Hex	4EB26A
RGB	78, 178, 106
RGB Percent	31%, 70%, 42%
CMY	0.6943, 0.3019, 0.5843
CMYK	0.56, 0.00, 0.40, 0.30
HSL	137°, 39%, 50%
HSV	137°, 56%, 70%
XYZ	21.6602, 34.5011, 19.1522
YIQ	139.8920, -36.4880, -43.5920

Conversions

Conversions Part 2

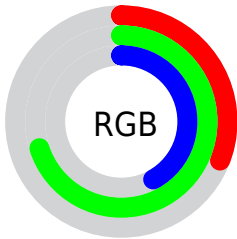
Format	Color
RYB	78, 156, 178
Decimal	5157482
CIELab	65.36, -45.28, 28.21
CIELCh	65, 53.348, 148.072
Yxy	34.5011, 0.2876, 0.4581
Android (android.graphics.Color)	4283347562 (0xFF4EB26A)
YUV	139.8920, -16.7088, -54.2793
Hunter-Lab	58.7376, -36.9670, 21.7840

Details

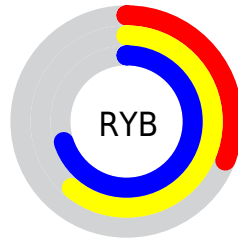
The Yxy color **34.5011, 0.2876, 0.4581** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.1076, 0.3572, 0.2299**, and the grayscale version is **26.2532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.4652, 0.2944, 0.4293**, and **14.7172, 0.2747, 0.5080** is the 20% darker color. If you saturate the color by 10%, you get **33.6034, 0.2857, 0.4854**, and if you desaturate by 10%, it is **35.6449, 0.2907, 0.4311**.

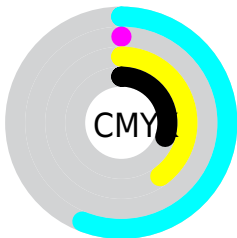
Distribution



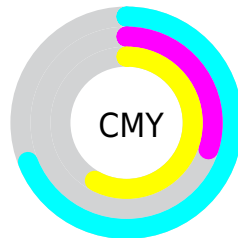
- Red (31%)
- Green (70%)
- Blue (42%)



- Red (31%)
- Yellow (61%)
- Blue (70%)



- Cyan (56%)
- Magenta (0%)
- Yellow (40%)
- Black (30%)





- Cyan (69%)
- Magenta (30%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5011, 0.2876, 0.4581 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 34.5011, 0.2876, 0.4581 by changing the saturation by 10% instead.


 34.5011, 0.2876,
0.4581


 34.5011, 0.2876,
0.4581


322.3607, 0.3033,
0.3858


 23.2788, 0.2823,
0.4790


 66.7122, 0.2942,
0.4298


 14.7995, 0.2746,
0.5075

 88.4697, 0.2964,
0.4198

 8.6788, 0.2625,
0.5486


 114.5079, 0.2982,
0.4116

 4.5323, 0.2414,
0.6116

 145.2110, 0.2996,
0.4047

 1.9755, 0.2054,
0.7946

 180.9634, 0.3008,
0.3989

 0.5932, 0.0000,
1.0000

222.1496, 0.3018,

 0.0000, 0.0000,

0.3939

0.0000

269.1539, 0.3026,
0.3896

■ 34.5011, 0.2876,
0.4581

■ 34.5011, 0.2876,
0.4581

■ 33.6034, 0.2857,
0.4854

■ 35.6449, 0.2907,
0.4311

■ 32.9289, 0.2853,
0.5118

■ 37.0472, 0.2947,
0.4053

■ 32.4576, 0.2864,
0.5360

■ 38.7244, 0.2994,
0.3813

■ 32.1616, 0.2889,
0.5568

■ 40.6906, 0.3044,
0.3595

■ 32.0741, 0.2899,
0.5637

■ 42.9587, 0.3095,
0.3400

■ 45.5409, 0.3146,
0.3227

■ 48.4487, 0.3197,
0.3076

■ 51.6931, 0.3245,
0.2943

■ 55.2843, 0.3290,
0.2828

Harmonies

Analogous

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



34.5011, 0.3657, 0.4808



34.5011, 0.2876, 0.4581



34.5011, 0.2206, 0.3807

Triad

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



34.5011, 0.2876, 0.4581



34.5011, 0.1951, 0.2084



34.5011, 0.4639, 0.3345

Complementary

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



34.5011, 0.2876, 0.4581



17.1076, 0.3572, 0.2299

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.



34.5011, 0.4054, 0.2790



34.5011, 0.2876, 0.4581



34.5011, 0.2455, 0.2099

Square

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



34.5011, 0.2876, 0.4581



34.5011, 0.1735, 0.2348



34.5011, 0.3215, 0.2350



34.5011, 0.4725, 0.3942

Rectangle

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



34.5011, 0.2876, 0.4581



34.5011, 0.1909, 0.3209



34.5011, 0.3215, 0.2350



34.5011, 0.4493, 0.3152

Sweetspot

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



34.5025, 0.2876, 0.4581



73.3699, 0.3038, 0.3618



39.0044, 0.3661, 0.4742



16.0920, 0.3028, 0.3659



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.



34.5025, 0.2876, 0.4581



60.6616, 0.2855, 0.4907



35.8171, 0.2566, 0.3684



9.5280, 0.3079, 0.3458



22.9561, 0.2894, 0.5618



0.7325, 0.2731, 0.5032

Inverse Universe

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



17.1076, 0.3572, 0.2299



26.0637, 0.3704, 0.2143



15.8523, 0.4382, 0.2963



8.6053, 0.3179, 0.3128



7.9004, 0.4058, 0.2009



0.2579, 0.3772, 0.1852

Previews

White Background



This preview shows how the Yxy color 34.5011, 0.2876, 0.4581 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 34.5011, 0.2876, 0.4581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

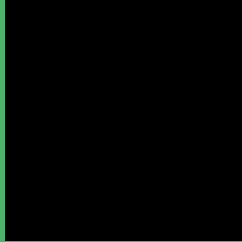
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5011, 0.2876, 0.4581

Background



This preview shows how black text looks on a background with the Yxy color 34.5011, 0.2876, 0.4581.



This preview shows how white text looks on a background with the Yxy color 34.5011, 0.2876, 0.4581.

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

34.5011, 0.2876, 0.4581

Protanopia

34.1062, 0.3833, 0.4158

Deuteranopia

33.8679, 0.3901, 0.3831



Tritanopia

34.3915, 0.2477, 0.3067

Trichromacy



Original Color

34.5011, 0.2876, 0.4581



Protanomaly

33.2531, 0.3419, 0.4325



Deuteranomaly

32.8186, 0.3447, 0.4100



Tritanomaly

34.0958, 0.2620, 0.3576

Monochromacy



Original Color

34.5011, 0.2876, 0.4581



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

28.4516, 0.3000, 0.3746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5011, 0.2876, 0.4581 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(78, 178, 106)` looks like.

```
.text, #text, p{  
    color:rgb(78, 178, 106)  
}
```

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(78, 178, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 178, 106) }
```

Border

The CSS property to change the border of an element to Yxy 34.5011, 0.2876, 0.4581 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(78, 178, 106) }
```

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

```
.border{ border-color:rgb(78, 178, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 178, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 178, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 178, 106);  
box-shadow:4px 4px 4px 4px rgb(78, 178,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5011, 0.2876, 0.4581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 178, 106) }
```

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

```
.background{ background-color: rgb(78, 178,  
106) }
```

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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