

Converting Colors

$Yxy(34.3866, 0.2807, 0.4776)$

Have a look what the booklet for
Yxy(34.3866, 0.2807, 0.4776)
contains.

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Color

Yxy(34.3841, 0.2808, 0.4778)

Conversions

Conversions Part 1

Format	Color
Hex	38B463
RGB	56, 180, 99
RGB Percent	22%, 71%, 39%
CMY	0.7800, 0.2941, 0.6118
CMYK	0.69, 0.00, 0.45, 0.29
HSL	141°, 52%, 46%
HSV	141°, 69%, 71%
XYZ	20.2073, 34.3841, 17.3720
YIQ	133.6900, -47.9030, -51.4790

Conversions

Conversions Part 2

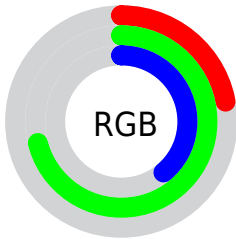
Format	Color
RYB	56, 148, 180
Decimal	3716195
CIELab	65.27, -51.87, 31.64
CIElCh	65, 60.756, 148.616
Yxy	34.3841, 0.2808, 0.4778
Android (android.graphics.Color)	4281906275 (0xFF38B463)
YUV	133.6900, -17.1022, -68.1341
Hunter-Lab	58.6380, -41.1033, 23.4814

Details

The Yxy color **34.3841, 0.2808, 0.4778** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **14.3493, 0.3852, 0.2232**, and the grayscale version is **23.8066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6543, 0.2892, 0.4448**, and **15.1520, 0.2799, 0.5278** is the 20% darker color. If you saturate the color by 10%, you get **33.7470, 0.2806, 0.5023**, and if you desaturate by 10%, it is **35.2433, 0.2826, 0.4526**.

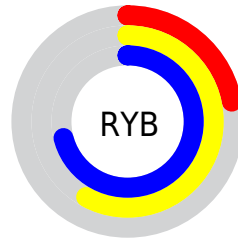
Distribution



Red (22%)

Green (71%)

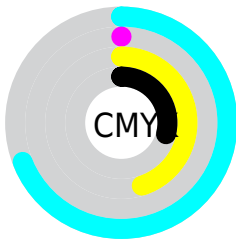
Blue (39%)



Red (22%)

Yellow (58%)

Blue (71%)

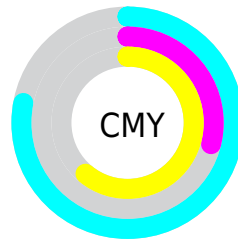


Cyan (69%)

Magenta (0%)

Yellow (45%)

Black (29%)



Cyan (78%)

Magenta (29%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3841, 0.2808, 0.4778 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 34.3841, 0.2808, 0.4778 by changing the saturation by 10% instead.


 34.3841, 0.2808,
0.4778


 34.3841, 0.2808,
0.4778


321.8414, 0.3009,
0.3939

 23.1888, 0.2740,
0.5022


 66.5305, 0.2893,
0.4448


 14.7330, 0.2641,
0.5355


 88.2505, 0.2921,
0.4332


 8.6322, 0.2485,
0.5834


 114.2475, 0.2943,
0.4237

 4.5021, 0.2219,
0.6566

 144.9058, 0.2961,
0.4157

 1.9582, 0.1480,
0.8520

 180.6100, 0.2976,
0.4090

 0.5830, 0.0000,
1.0000

221.7444, 0.2989,

 0.0000, 0.0000,

0.4032

0.0000

268.6934, 0.3000,
0.3982

■ 34.3841, 0.2808,
0.4778

■ 34.3841, 0.2808,
0.4778

■ 33.7470, 0.2806,
0.5023

■ 35.2433, 0.2826,
0.4526

■ 33.3054, 0.2822,
0.5251

■ 36.3397, 0.2859,
0.4278

■ 33.0216, 0.2851,
0.5453

■ 37.6917, 0.2904,
0.4040

■ 32.9928, 0.2854,
0.5475

■ 39.3149, 0.2956,
0.3819

■ 41.2235, 0.3013,
0.3616

■ 43.4306, 0.3073,
0.3434

■ 45.9487, 0.3134,
0.3272

■ 48.7894, 0.3194,
0.3129

■ 51.9637, 0.3253,
0.3004

Harmonies

Analogous

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



34.3841, 0.3679, 0.5022



34.3841, 0.2808, 0.4778



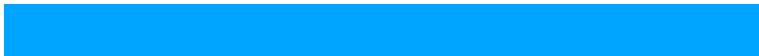
34.3841, 0.2071, 0.3858

Triad

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



34.3841, 0.2808, 0.4778



34.3841, 0.1824, 0.1943



34.3841, 0.4854, 0.3338

Complementary

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



34.3841, 0.2808, 0.4778



14.3493, 0.3852, 0.2232

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.



34.3841, 0.4197, 0.2733



34.3841, 0.2808, 0.4778



34.3841, 0.2380, 0.1971

Square

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



34.3841, 0.2808, 0.4778



34.3841, 0.1584, 0.2214



34.3841, 0.3237, 0.2250



34.3841, 0.4920, 0.3994

Rectangle

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



34.3841, 0.2808, 0.4778



34.3841, 0.1754, 0.3164



34.3841, 0.3237, 0.2250



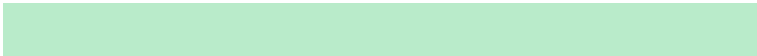
34.3841, 0.4693, 0.3128

Sweetspot

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



34.3855, 0.2808, 0.4778



73.8265, 0.2998, 0.3666



38.3907, 0.3649, 0.5069



15.7503, 0.2983, 0.3720



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.



34.3855, 0.2808, 0.4778



60.7043, 0.2813, 0.5153



36.0002, 0.2452, 0.3641



9.5371, 0.3070, 0.3443



23.0392, 0.2848, 0.5453



0.7362, 0.2681, 0.4852

Inverse Universe

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



14.3493, 0.3852, 0.2232



21.9009, 0.4088, 0.2138



13.0723, 0.5016, 0.3040



8.5957, 0.3189, 0.3142



7.6931, 0.4304, 0.2145



0.2525, 0.3928, 0.1938

Previews

White Background



This preview shows how the Yxy color 34.3841, 0.2808, 0.4778 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 34.3841, 0.2808, 0.4778 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 34.3841, 0.2808, 0.4778

Background



This preview shows how black text looks on a background with the Yxy color 34.3841, 0.2808, 0.4778.



This preview shows how white text looks on a background with the Yxy color 34.3841, 0.2808, 0.4778.

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

34.3841, 0.2808, 0.4778

Protanopia

33.6399, 0.3901, 0.4239

Deuteranopia

33.5447, 0.3978, 0.3896



Tritanopia

34.1414, 0.2402, 0.3064

Trichromacy



Original Color

34.3841, 0.2808, 0.4778



Protanomaly

32.4642, 0.3395, 0.4465



Deuteranomaly

32.0445, 0.3436, 0.4233



Tritanomaly

34.0279, 0.2544, 0.3651

Monochromacy



Original Color

34.3841, 0.2808, 0.4778



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

26.5779, 0.2958, 0.3842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3841, 0.2808, 0.4778 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(56, 180, 99)` looks like.

```
.text, #text, p{  
    color:rgb(56, 180, 99)  
}
```

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(56, 180, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 180, 99) }
```

Border

The CSS property to change the border of an element to Yxy 34.3841, 0.2808, 0.4778 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(56, 180, 99) }
```

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

```
.border{ border-color:rgb(56, 180, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 180, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 180, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 180, 99);  
box-shadow:4px 4px 4px 4px rgb(56, 180,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3841, 0.2808, 0.4778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 180, 99) }
```

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

```
.background{ background-color: rgb(56, 180,  
99) }
```

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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