

Converting Colors

$Yxy(34.2775, 0.2881, 0.5042)$

Have a look what the booklet for
Yxy(34.2775, 0.2881, 0.5042)
contains.

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Color

Yxy(34.0827, 0.2877, 0.5034)

Conversions

Conversions Part 1

Format	Color
Hex	36B455
RGB	54, 180, 85
RGB Percent	21%, 71%, 33%
CMY	0.7885, 0.2941, 0.6667
CMYK	0.70, 0.00, 0.53, 0.29
HSL	135°, 54%, 46%
HSV	135°, 70%, 71%
XYZ	19.4787, 34.0827, 14.1436
YIQ	131.4960, -44.6010, -56.2570

Conversions

Conversions Part 2

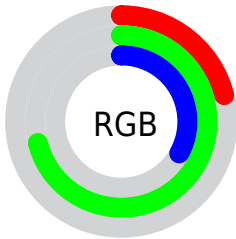
Format	Color
RYB	54, 155, 180
Decimal	3585109
CIELab	65.03, -54.47, 38.41
CIELCh	65, 66.654, 144.807
Yxy	34.0827, 0.2877, 0.5034
Android (android.graphics.Color)	4281775189 (0xFF36B455)
YUV	131.4960, -22.9225, -67.9640
Hunter-Lab	58.3804, -42.6088, 26.5023

Details

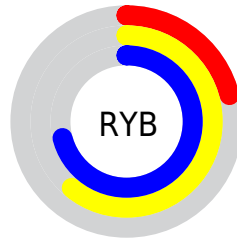
The Yxy color **34.0827, 0.2877, 0.5034** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **14.5036, 0.3655, 0.2074**, and the grayscale version is **22.9721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1564, 0.2957, 0.4642**, and **15.0431, 0.2887, 0.5594** is the 20% darker color. If you saturate the color by 10%, you get **33.4803, 0.2879, 0.5296**, and if you desaturate by 10%, it is **34.9134, 0.2889, 0.4753**.

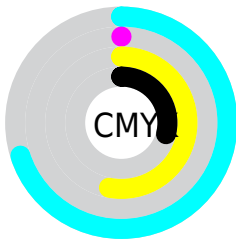
Distribution



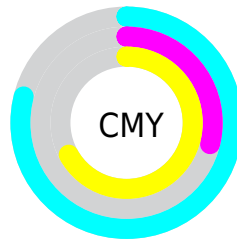
- Red (21%)
- Green (71%)
- Blue (33%)



- Red (21%)
- Yellow (61%)
- Blue (71%)



- Cyan (70%)
- Magenta (0%)
- Yellow (53%)
- Black (29%)




- Cyan (79%)
- Magenta (29%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0827, 0.2877, 0.5034 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 34.0827, 0.2877, 0.5034 by changing the saturation by 10% instead.


 34.0827, 0.2877,
0.5034


 34.0827, 0.2877,
0.5034


320.5007, 0.3055,
0.4046

 22.9571, 0.2809,
0.5319


 66.0623, 0.2958,
0.4646


 14.5619, 0.2704,
0.5706


 87.6850, 0.2983,
0.4510


 8.5125, 0.2531,
0.6252


 113.5757, 0.3002,
0.4397

 4.4246, 0.2266,
0.7195

 144.1186, 0.3017,
0.4304

 1.9138, 0.1162,
0.8838

 179.6981, 0.3030,
0.4224

 0.5566, 0.0000,
1.0000

220.6987, 0.3040,

 0.0000, 0.0000,

0.4157

0.0000

267.5048, 0.3048,
0.4098

■ 34.0827, 0.2877,
0.5034

■ 34.0827, 0.2877,
0.5034

■ 33.4803, 0.2879,
0.5296

■ 34.9134, 0.2889,
0.4753

■ 33.0781, 0.2895,
0.5525

■ 35.9887, 0.2914,
0.4469

■ 32.8308, 0.2920,
0.5711

■ 37.3280, 0.2948,
0.4193

■ 38.9477, 0.2989,
0.3933

■ 40.8629, 0.3034,
0.3695

■ 43.0874, 0.3080,
0.3481

■ 45.6342, 0.3127,
0.3291

■ 48.5158, 0.3173,
0.3124

■ 51.7436, 0.3217,
0.2978

Harmonies

Analogous

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



34.0827, 0.3817, 0.5159



34.0827, 0.2877, 0.5034



34.0827, 0.2054, 0.4067

Triad

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



34.0827, 0.2877, 0.5034



34.0827, 0.1671, 0.1853



34.0827, 0.4964, 0.3234

Complementary

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



34.0827, 0.2877, 0.5034



14.5036, 0.3655, 0.2074

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.



34.0827, 0.4174, 0.2606



34.0827, 0.2877, 0.5034



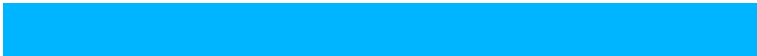
34.0827, 0.2217, 0.1851

Square

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



34.0827, 0.2877, 0.5034



34.0827, 0.1459, 0.2177



34.0827, 0.3107, 0.2117



34.0827, 0.5103, 0.3926

Rectangle

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



34.0827, 0.2877, 0.5034



34.0827, 0.1688, 0.3275



34.0827, 0.3107, 0.2117



34.0827, 0.4763, 0.3015

Sweetspot

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



34.0841, 0.2877, 0.5034



73.5967, 0.3027, 0.3725



39.4519, 0.3773, 0.5016



15.6960, 0.3015, 0.3788



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.



34.0841, 0.2877, 0.5034



60.2645, 0.2886, 0.5425



35.5158, 0.2518, 0.3879



9.5233, 0.3084, 0.3466



22.9205, 0.2914, 0.5692



0.7306, 0.2758, 0.5130

Inverse Universe

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



14.5036, 0.3655, 0.2074



22.4980, 0.3808, 0.1962



13.0326, 0.4819, 0.2870



8.6102, 0.3174, 0.3120



8.0171, 0.3937, 0.1943



0.2608, 0.3695, 0.1809

Previews

White Background



This preview shows how the Yxy color 34.0827, 0.2877, 0.5034 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 34.0827, 0.2877, 0.5034 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 34.0827, 0.2877, 0.5034

Background



This preview shows how black text looks on a background with the Yxy color 34.0827, 0.2877, 0.5034.



This preview shows how white text looks on a background with the Yxy color 34.0827, 0.2877, 0.5034.

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

34.0827, 0.2877, 0.5034

Protanopia

33.5340, 0.4028, 0.4410

Deuteranopia

33.2324, 0.4133, 0.4044



Tritanopia

33.7733, 0.2410, 0.3063

Trichromacy



Original Color

34.0827, 0.2877, 0.5034



Protanomaly

32.2353, 0.3500, 0.4680



Deuteranomaly

31.5425, 0.3559, 0.4420



Tritanomaly

33.4496, 0.2579, 0.3745

Monochromacy



Original Color

34.0827, 0.2877, 0.5034



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.5934, 0.2990, 0.3949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0827, 0.2877, 0.5034 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(54, 180, 85)` looks like.

```
.text, #text, p{  
    color:rgb(54, 180, 85)  
}
```

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(54, 180, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 180, 85) }
```

Border

The CSS property to change the border of an element to Yxy 34.0827, 0.2877, 0.5034 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(54, 180, 85) }
```

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

```
.border{ border-color:rgb(54, 180, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 180, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 180, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 180, 85);  
box-shadow:4px 4px 4px 4px rgb(54, 180,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0827, 0.2877, 0.5034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 180, 85) }
```

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

```
.background{ background-color: rgb(54, 180,  
85) }
```

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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