

Converting Colors

$Y_{xy}(34.0690, 0.2858, 0.5368)$

Have a look what the booklet for
Yxy(34.0690, 0.2858, 0.5368)
contains.

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Color

$\text{Yxy}(34.0561, 0.2858, 0.5368)$

Conversions

Conversions Part 1

Format	Color
Hex	16B645
RGB	22, 182, 69
RGB Percent	9%, 71%, 27%
CMY	0.9142, 0.2863, 0.7292
CMYK	0.88, 0.00, 0.62, 0.29
HSL	138°, 79%, 40%
HSV	138°, 88%, 71%
XYZ	18.1320, 34.0561, 11.2548
YIQ	121.2780, -59.0870, -69.0630

Conversions

Conversions Part 2

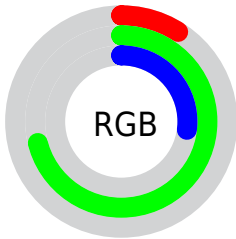
Format	Color
R_{YB}	22, 146, 182
Decimal	1488453
CIE _{Lab}	65.01, -61.34, 45.81
CIE _{LCh}	65, 76.553, 143.248
Yxy	34.0561, 0.2858, 0.5368
Android (android.graphics.Color)	4279678533 (0xFF16B645)
YUV	121.2780, -25.7731, -87.0668
Hunter-Lab	58.3576, -46.6651, 29.4157

Details

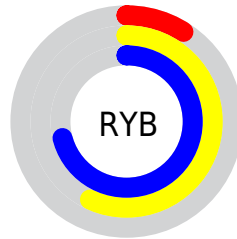
The Yxy color **34.0561, 0.2858, 0.5368** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **12.2596, 0.3979, 0.2038**, and the grayscale version is **19.3046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8802, 0.2955, 0.4906**, and **15.2078, 0.2972, 0.5899** is the 20% darker color. If you saturate the color by 10%, you get **33.7694, 0.2885, 0.5570**, and if you desaturate by 10%, it is **34.5182, 0.2844, 0.5132**.

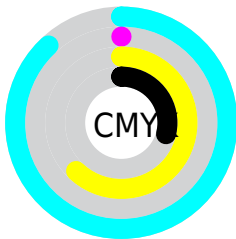
Distribution



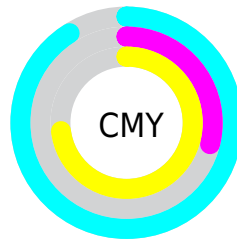
- Red (9%)
- Green (71%)
- Blue (27%)



- Red (9%)
- Yellow (57%)
- Blue (71%)



- Cyan (88%)
- Magenta (0%)
- Yellow (62%)
- Black (29%)





- Cyan (91%)
- Magenta (29%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0561, 0.2858, 0.5368 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 34.0561, 0.2858, 0.5368 by changing the saturation by 10% instead.

 34.0561, 0.2858,
0.5368


 34.0561, 0.2858,
0.5368

320.3821, 0.3066,
0.4187


 22.9367, 0.2772,
0.5705


 66.0209, 0.2957,
0.4906


 14.5468, 0.2638,
0.6156


 87.6351, 0.2986,
0.4742


 8.5019, 0.2414,
0.6775

 113.5163, 0.3009,
0.4607

 4.4178, 0.2093,
0.7907

 144.0490, 0.3026,
0.4495

 1.9099, 0.0410,
0.9590

 179.6175, 0.3039,
0.4400

 0.5543, 0.0000,
1.0000

220.6063, 0.3050,

 0.0000, 0.0000,

0.4319

0.0000

267.3997, 0.3059,
0.4248

■ 34.0561, 0.2858,
0.5368

■ 34.0561, 0.2858,
0.5368

■ 33.7694, 0.2885,
0.5570

■ 34.5182, 0.2844,
0.5132

■ 33.7208, 0.2891,
0.5607

■ 35.1872, 0.2845,
0.4874

■ 36.0877, 0.2862,
0.4605

■ 37.2397, 0.2892,
0.4338

■ 38.6610, 0.2932,
0.4082

■ 40.3676, 0.2980,
0.3843

■ 42.3745, 0.3031,
0.3626

■ 44.6954, 0.3084,
0.3430

■ 47.3432, 0.3138,
0.3257

Harmonies

Analogous

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



34.0561, 0.3900, 0.5383



34.0561, 0.2858, 0.5368



34.0561, 0.1939, 0.4261

Triad

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



34.0561, 0.2858, 0.5368



34.0561, 0.1492, 0.1698



34.0561, 0.5196, 0.3152

Complementary

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



34.0561, 0.2858, 0.5368



12.2596, 0.3979, 0.2038

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.



34.0561, 0.4259, 0.2482



34.0561, 0.2858, 0.5368



34.0561, 0.2059, 0.1689

Square

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



34.0561, 0.2858, 0.5368



34.0561, 0.1280, 0.2054



34.0561, 0.3032, 0.1963



34.0561, 0.5358, 0.3894

Rectangle

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



34.0561, 0.2858, 0.5368



34.0561, 0.1534, 0.3316



34.0561, 0.3032, 0.1963



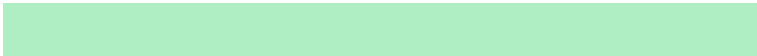
34.0561, 0.4956, 0.2919

Sweetspot

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



34.0575, 0.2858, 0.5368



73.7056, 0.2987, 0.3808



38.8032, 0.3729, 0.5334



16.0238, 0.2970, 0.3887



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.0575, 0.2858, 0.5368



61.0956, 0.2898, 0.5635



35.7436, 0.2441, 0.3904



10.1025, 0.3077, 0.3455



23.8220, 0.2885, 0.5587



0.8510, 0.2732, 0.5036

Inverse Universe

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



12.2596, 0.3979, 0.2038



20.8313, 0.4143, 0.2056



10.8060, 0.5649, 0.3007



9.1164, 0.3181, 0.3130



8.1430, 0.4111, 0.2038



0.2973, 0.3828, 0.1883

Previews

White Background



This preview shows how the Yxy color 34.0561, 0.2858, 0.5368 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 34.0561, 0.2858, 0.5368 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 34.0561, 0.2858, 0.5368

Background



This preview shows how black text looks on a background with the Yxy color 34.0561, 0.2858, 0.5368.



This preview shows how white text looks on a background with the Yxy color 34.0561, 0.2858, 0.5368.

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

34.0561, 0.2858, 0.5368

Protanopia

33.4604, 0.4147, 0.4568

Deuteranopia

33.2659, 0.4280, 0.4201



Tritanopia

34.0824, 0.2358, 0.3077

Trichromacy



Original Color

34.0561, 0.2858, 0.5368



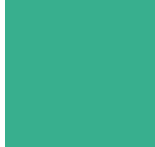
Protanomaly

31.5760, 0.3485, 0.4957



Deuteranomaly

30.7436, 0.3554, 0.4706



Tritanomaly

33.4537, 0.2534, 0.3881

Monochromacy



Original Color

34.0561, 0.2858, 0.5368



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

22.5355, 0.2925, 0.4129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0561, 0.2858, 0.5368 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(22, 182, 69)` looks like.

```
.text, #text, p{  
    color:rgb(22, 182, 69)  
}
```

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(22, 182, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 182, 69) }
```

Border

The CSS property to change the border of an element to Yxy 34.0561, 0.2858, 0.5368 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(22, 182, 69) }
```

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

```
.border{ border-color:rgb(22, 182, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 182, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 182, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 182, 69);  
box-shadow:4px 4px 4px 4px rgb(22, 182,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0561, 0.2858, 0.5368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 182, 69) }
```

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

```
.background{ background-color: rgb(22, 182,  
69) }
```

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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