

Converting Colors

$Yxy(33.8333, 0.2839, 0.5234)$

Have a look what the booklet for
Yxy(33.8333, 0.2839, 0.5234)
contains.

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Color

Yxy(33.8308, 0.2840, 0.5240)

Conversions

Conversions Part 1

Format	Color
Hex	1DB54C
RGB	29, 181, 76
RGB Percent	11%, 71%, 30%
CMY	0.8860, 0.2902, 0.7021
CMYK	0.84, 0.00, 0.58, 0.29
HSL	139°, 72%, 41%
HSV	139°, 84%, 71%
XYZ	18.3358, 33.8308, 12.3960
YIQ	123.5820, -56.8870, -64.8790

Conversions

Conversions Part 2

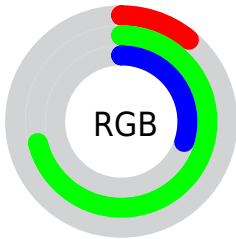
Format	Color
R_{YB}	29, 145, 181
Decimal	1946956
CIE _{Lab}	64.83, -59.49, 42.43
CIE _{LCh}	65, 73.069, 144.505
Yxy	33.8308, 0.2840, 0.5240
Android (android.graphics.Color)	4280137036 (0xFF1DB54C)
YUV	123.5820, -23.4579, -82.9484
Hunter-Lab	58.1643, -45.5169, 28.0790

Details

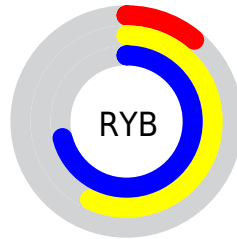
The Yxy color **33.8308, 0.2840, 0.5240** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **12.4302, 0.3970, 0.2073**, and the grayscale version is **20.1100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5911, 0.2932, 0.4801**, and **15.2447, 0.2938, 0.5775** is the 20% darker color. If you saturate the color by 10%, you get **33.4835, 0.2864, 0.5457**, and if you desaturate by 10%, it is **34.3696, 0.2832, 0.4995**.

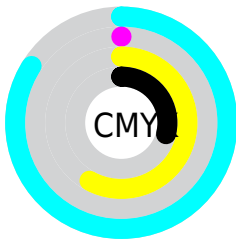
Distribution



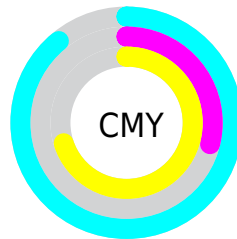
- Red (11%)
- Green (71%)
- Blue (30%)



- Red (11%)
- Yellow (57%)
- Blue (71%)



- Cyan (84%)
- Magenta (0%)
- Yellow (58%)
- Black (29%)





- Cyan (89%)
- Magenta (29%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8308, 0.2840, 0.5240 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 33.8308, 0.2840, 0.5240 by changing the saturation by 10% instead.


 33.8308, 0.2840,
0.5240


 33.8308, 0.2840,
0.5240


319.3769, 0.3049,
0.4130

 22.7636, 0.2758,
0.5560


 65.6705, 0.2936,
0.4804

 14.4191, 0.2631,
0.5991


 87.2118, 0.2966,
0.4650

 8.4127, 0.2422,
0.6592

 113.0132, 0.2988,
0.4524

 4.3602, 0.2151,
0.7802

 143.4593, 0.3006,
0.4419

 1.8770, 0.0544,
0.9456

 178.9343, 0.3020,
0.4330

 0.5345, 0.0000,
1.0000

219.8226, 0.3032,

 0.0000, 0.0000,

0.4254

0.0000

266.5087, 0.3041,
0.4188

■ 33.8308, 0.2840,
0.5240

■ 33.8308, 0.2840,
0.5240

■ 33.4835, 0.2864,
0.5457

■ 34.3696, 0.2832,
0.4995

■ 33.3328, 0.2881,
0.5572

■ 35.1212, 0.2841,
0.4735

■ 36.1083, 0.2864,
0.4471

■ 37.3495, 0.2900,
0.4213

■ 38.8616, 0.2945,
0.3968

■ 40.6598, 0.2996,
0.3743

■ 42.7583, 0.3050,
0.3539

■ 45.1701, 0.3105,
0.3356

■ 47.9076, 0.3161,
0.3195

Harmonies

Analogous

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



33.8308, 0.3850, 0.5322



33.8308, 0.2840, 0.5240



33.8308, 0.1959, 0.4160

Triad

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



33.8308, 0.2840, 0.5240



33.8308, 0.1560, 0.1744



33.8308, 0.5133, 0.3198

Complementary

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



33.8308, 0.2840, 0.5240



12.4302, 0.3970, 0.2073

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.



33.8308, 0.4261, 0.2538



33.8308, 0.2840, 0.5240



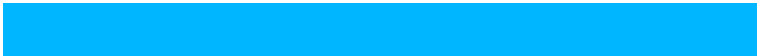
33.8308, 0.2131, 0.1745

Square

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



33.8308, 0.2840, 0.5240



33.8308, 0.1339, 0.2080



33.8308, 0.3086, 0.2023



33.8308, 0.5268, 0.3927

Rectangle

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



33.8308, 0.2840, 0.5240



33.8308, 0.1573, 0.3270



33.8308, 0.3086, 0.2023



33.8308, 0.4913, 0.2969

Sweetspot

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



33.8322, 0.2840, 0.5240



72.3097, 0.2988, 0.3775



38.3236, 0.3709, 0.5302



15.3812, 0.2970, 0.3852



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.



33.8322, 0.2840, 0.5240



59.6613, 0.2889, 0.5600



35.5326, 0.2431, 0.3825



9.5319, 0.3075, 0.3451



22.9896, 0.2875, 0.5550



0.7341, 0.2709, 0.4953

Inverse Universe

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



12.4302, 0.3970, 0.2073



20.2090, 0.4197, 0.2086



11.0268, 0.5549, 0.3014



8.6012, 0.3183, 0.3134



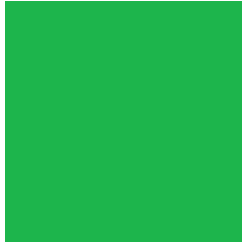
7.8081, 0.4162, 0.2066



0.2555, 0.3838, 0.1888

Previews

White Background



This preview shows how the Yxy color 33.8308, 0.2840, 0.5240 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 33.8308, 0.2840, 0.5240 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 33.8308, 0.2840, 0.5240

Background



This preview shows how black text looks on a background with the Yxy color 33.8308, 0.2840, 0.5240.



This preview shows how white text looks on a background with the Yxy color 33.8308, 0.2840, 0.5240.

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

33.8308, 0.2840, 0.5240

Protanopia

33.0785, 0.4104, 0.4500

Deuteranopia

33.2271, 0.4217, 0.4137



Tritanopia

33.7466, 0.2359, 0.3061

Trichromacy



Original Color

33.8308, 0.2840, 0.5240



Protanomaly

31.4301, 0.3471, 0.4854



Deuteranomaly

31.0045, 0.3523, 0.4593



Tritanomaly

33.2462, 0.2525, 0.3807

Monochromacy



Original Color

33.8308, 0.2840, 0.5240



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

23.4362, 0.2920, 0.4049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8308, 0.2840, 0.5240 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(29, 181, 76)` looks like.

```
.text, #text, p{  
    color:rgb(29, 181, 76)  
}
```

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(29, 181, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 181, 76) }
```

Border

The CSS property to change the border of an element to Yxy 33.8308, 0.2840, 0.5240 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(29, 181, 76) }
```

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

```
.border{ border-color:rgb(29, 181, 76) }
```

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

Here you see how a box with a 4 pixel rgb(29, 181, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 181, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 181, 76);  
box-shadow:4px 4px 4px 4px rgb(29, 181,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8308, 0.2840, 0.5240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 181, 76) }
```

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

```
.background{ background-color: rgb(29, 181,  
76) }
```

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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