

Converting Colors

$Y_{xy}(35.0546, 0.2808, 0.5119)$

Have a look what the booklet for
Yxy(35.0546, 0.2808, 0.5119)
contains.

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Color

Yxy(35.2124, 0.2811, 0.5127)

Conversions

Conversions Part 1

Format	Color
Hex	1FB854
RGB	31, 184, 84
RGB Percent	12%, 72%, 33%
CMY	0.8783, 0.2784, 0.6707
CMYK	0.83, 0.00, 0.54, 0.28
HSL	141°, 71%, 42%
HSV	141°, 83%, 72%
XYZ	19.3060, 35.2124, 14.1619
YIQ	126.8530, -59.0880, -63.5360

Conversions

Conversions Part 2

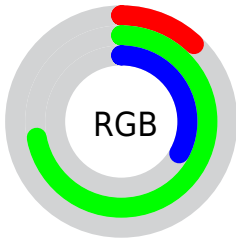
Format	Color
RYB	31, 145, 184
Decimal	2078804
CIELab	65.91, -59.16, 39.90
CIELCh	66, 71.358, 146.005
Yxy	35.2124, 0.2811, 0.5127
Android (android.graphics.Color)	4280268884 (0xFF1FB854)
YUV	126.8530, -21.1265, -84.0631
Hunter-Lab	59.3400, -45.7708, 27.3881

Details

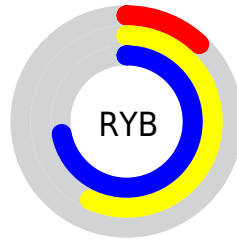
The Yxy color **35.2124, 0.2811, 0.5127** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **12.8136, 0.4070, 0.2141**, and the grayscale version is **21.2639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6914, 0.2906, 0.4715**, and **15.8160, 0.2897, 0.5630** is the 20% darker color. If you saturate the color by 10%, you get **34.8321, 0.2834, 0.5345**, and if you desaturate by 10%, it is **35.7909, 0.2805, 0.4888**.

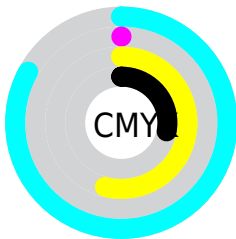
Distribution



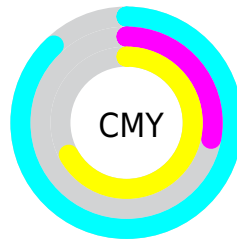
- Red (12%)
- Green (72%)
- Blue (33%)



- Red (12%)
- Yellow (57%)
- Blue (72%)



- Cyan (83%)
- Magenta (0%)
- Yellow (54%)
- Black (28%)





- Cyan (88%)
- Magenta (28%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2124, 0.2811, 0.5127 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 35.2124, 0.2811, 0.5127 by changing the saturation by 10% instead.


 35.2124, 0.2811,
0.5127


 35.2124, 0.2811,
0.5127


325.5049, 0.3027,
0.4088

 23.8265, 0.2732,
0.5425


 67.8147, 0.2907,
0.4720


 15.2050, 0.2612,
0.5829


 89.7999, 0.2937,
0.4576


 8.9634, 0.2419,
0.6395


 116.0870, 0.2961,
0.4458

 4.7173, 0.2126,
0.7353

 147.0604, 0.2980,
0.4359

 2.0824, 0.0996,
0.9004

 183.1045, 0.2995,
0.4276

 0.6547, 0.0000,
1.0000

224.6037, 0.3008,

 0.0000, 0.0000,

0.4204

0.0000

271.9423, 0.3018,
0.4142

■ 35.2124, 0.2811,
0.5127

■ 35.2124, 0.2811,
0.5127

■ 34.8321, 0.2834,
0.5345

■ 35.7909, 0.2805,
0.4888

■ 34.6486, 0.2855,
0.5479

■ 36.5891, 0.2817,
0.4637

■ 37.6301, 0.2843,
0.4386

■ 38.9329, 0.2883,
0.4142

■ 40.5144, 0.2932,
0.3913

■ 42.3902, 0.2988,
0.3702

■ 44.5748, 0.3047,
0.3510

■ 47.0814, 0.3108,
0.3339

■ 49.9227, 0.3169,
0.3188

Harmonies

Analogous

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



35.2124, 0.3794, 0.5272



35.2124, 0.2811, 0.5127



35.2124, 0.1965, 0.4062

Triad

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



35.2124, 0.2811, 0.5127



35.2124, 0.1622, 0.1781



35.2124, 0.5088, 0.3245

Complementary

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



35.2124, 0.2811, 0.5127



12.8136, 0.4070, 0.2141

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.



35.2124, 0.4275, 0.2593



35.2124, 0.2811, 0.5127



35.2124, 0.2200, 0.1794

Square

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



35.2124, 0.2811, 0.5127



35.2124, 0.1389, 0.2095



35.2124, 0.3145, 0.2079



35.2124, 0.5192, 0.3962

Rectangle

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



35.2124, 0.2811, 0.5127



35.2124, 0.1600, 0.3218



35.2124, 0.3145, 0.2079



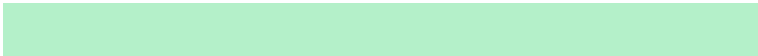
35.2124, 0.4886, 0.3018

Sweetspot

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



35.2138, 0.2811, 0.5127



76.0142, 0.2975, 0.3748



39.3691, 0.3662, 0.5327



16.1276, 0.2955, 0.3821



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.



35.2138, 0.2811, 0.5127



62.7675, 0.2863, 0.5507



37.0603, 0.2405, 0.3726



10.1101, 0.3070, 0.3443



23.8909, 0.2849, 0.5456



0.8542, 0.2695, 0.4901

Inverse Universe

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



12.8136, 0.4070, 0.2141



20.8985, 0.4346, 0.2168



11.4638, 0.5616, 0.3068



9.1085, 0.3189, 0.3142



7.9768, 0.4306, 0.2146



0.2924, 0.3956, 0.1953

Previews

White Background



This preview shows how the Yxy color 35.2124, 0.2811, 0.5127 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 35.2124, 0.2811, 0.5127 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 35.2124, 0.2811, 0.5127

Background



This preview shows how black text looks on a background with the Yxy color 35.2124, 0.2811, 0.5127.



This preview shows how white text looks on a background with the Yxy color 35.2124, 0.2811, 0.5127.

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

35.2124, 0.2811, 0.5127

Protanopia

34.5482, 0.4052, 0.4430

Deuteranopia

34.5842, 0.4143, 0.4071



Tritanopia

35.0528, 0.2358, 0.3064

Trichromacy



Original Color

35.2124, 0.2811, 0.5127



Protanomaly

32.7807, 0.3425, 0.4762



Deuteranomaly

32.3574, 0.3470, 0.4500



Tritanomaly

34.6069, 0.2509, 0.3761

Monochromacy



Original Color

35.2124, 0.2811, 0.5127



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.6028, 0.2915, 0.4012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2124, 0.2811, 0.5127 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(31, 184, 84)` looks like.

```
.text, #text, p{  
    color:rgb(31, 184, 84)  
}
```

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(31, 184, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 184, 84) }
```

Border

The CSS property to change the border of an element to Yxy 35.2124, 0.2811, 0.5127 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(31, 184, 84) }
```

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

```
.border{ border-color:rgb(31, 184, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 184, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 184, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 184, 84);  
box-shadow:4px 4px 4px 4px rgb(31, 184,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2124, 0.2811, 0.5127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 184, 84) }
```

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

```
.background{ background-color: rgb(31, 184,  
84) }
```

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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