

# Converting Colors

$Y_{xy}(34.7481, 0.2931, 0.5600)$

Have a look what the booklet for  
Yxy(34.7481, 0.2931, 0.5600)  
contains.

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# Color

**Yxy(34.7447, 0.2931, 0.5600)**

# Conversions

## Conversions Part 1

Format	Color
Hex	19B835
RGB	25, 184, 53
RGB Percent	10%, 72%, 21%
CMY	0.9017, 0.2784, 0.7922
CMYK	0.86, 0.00, 0.71, 0.28
HSL	131°, 76%, 41%
HSV	131°, 86%, 72%
XYZ	18.1851, 34.7447, 9.1143
YIQ	121.5250, -52.7130, -74.4490

# Conversions

## Conversions Part 2

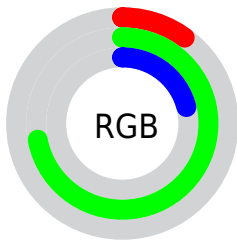
Format	Color
<a href="#">RYB</a>	<a href="#">25, 160, 184</a>
Decimal	<a href="#">1685557</a>
CIELab	<a href="#">65.55, -63.39, 53.11</a>
CIELCh	<a href="#">66, 82.703, 140.042</a>
Yxy	<a href="#">34.7447, 0.2931, 0.5600</a>
Android (android.graphics.Color)	<a href="#">4279875637</a> ( <a href="#">0xFF19B835</a> )
YUV	<a href="#">121.5250, -33.7828, -84.6524</a>
Hunter-Lab	<a href="#">58.9446, -48.0837, 32.0936</a>

# Details

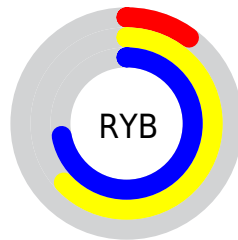
The Yxy color **34.7447, 0.2931, 0.5600** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.2925, 0.3624, 0.1844**, and the grayscale version is **19.4319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9152, 0.3029, 0.5090**, and **15.7005, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **34.4634, 0.2949, 0.5784**, and if you desaturate by 10%, it is **35.2248, 0.2923, 0.5361**.

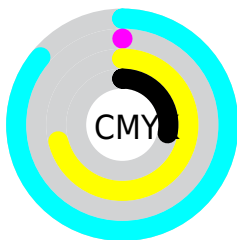
# Distribution



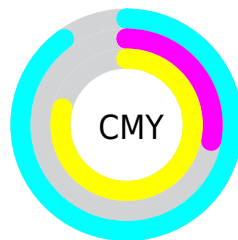
- Red (10%)
- Green (72%)
- Blue (21%)



- Red (10%)
- Yellow (63%)
- Blue (72%)



- Cyan (86%)
- Magenta (0%)
- Yellow (71%)
- Black (28%)




- Cyan (90%)
- Magenta (28%)
- Yellow (79%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7447, 0.2931, 0.5600 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 34.7447, 0.2931, 0.5600 by changing the saturation by 10% instead.





 34.7447, 0.2931,  
0.5600

 34.7447, 0.2931,  
0.5600


323.4400, 0.3121,  
0.4296

 23.4663, 0.2841,  
0.5961


 67.0901, 0.3029,  
0.5095

 14.9382, 0.2695,  
0.6432


 88.9258, 0.3056,  
0.4914


 8.7760, 0.2457,  
0.7082


 115.0495, 0.3076,  
0.4765

 4.5954, 0.2040,  
0.7960

 145.8454, 0.3090,  
0.4640

 2.0119, 0.0422,  
0.9578

 181.6980, 0.3101,  
0.4534

 0.6144, 0.0000,  
1.0000

 222.9918, 0.3109,

 0.0000, 0.0000,


0.4444


0.0000


270.1110, 0.3116,  
0.4365


 34.7447, 0.2931,  
0.5600

 34.7447, 0.2931,  
0.5600


 34.4634, 0.2949,  
0.5784


 35.2248, 0.2923,  
0.5361

 34.3875, 0.2955,  
0.5838

 35.9313, 0.2926,  
0.5081

 36.8904, 0.2941,  
0.4779

 38.1234, 0.2965,  
0.4473

 39.6494, 0.2995,  
0.4176

■ 41.4859, 0.3030,  
0.3898

■ 43.6488, 0.3067,  
0.3645

■ 46.1530, 0.3104,  
0.3420

■ 49.0125, 0.3140,  
0.3221

# Harmonies

## Analogous

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



34.7447, 0.4023, 0.5446



34.7447, 0.2931, 0.5600



34.7447, 0.1941, 0.4504

# Triad

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



34.7447, 0.2931, 0.5600



34.7447, 0.1369, 0.1632



34.7447, 0.5268, 0.3045

# Complementary

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



34.7447, 0.2931, 0.5600



13.2925, 0.3624, 0.1844

# 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.



34.7447, 0.4197, 0.2363



34.7447, 0.2931, 0.5600



34.7447, 0.1912, 0.1594

# Square

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



34.7447, 0.2931, 0.5600



34.7447, 0.1185, 0.2038



34.7447, 0.2889, 0.1848



34.7447, 0.5512, 0.3802



# Rectangle

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



34.7447, 0.2931, 0.5600



34.7447, 0.1491, 0.3460



34.7447, 0.2889, 0.1848



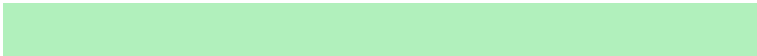
34.7447, 0.4985, 0.2807

# Sweetspot

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



34.7461, 0.2931, 0.5600



75.1801, 0.3030, 0.3900



41.5720, 0.3906, 0.5184



15.9471, 0.3017, 0.3993



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.



34.7461, 0.2931, 0.5600



62.3116, 0.2961, 0.5858



36.1286, 0.2544, 0.4246



10.0852, 0.3093, 0.3484



23.7068, 0.2951, 0.5822



0.8437, 0.2828, 0.5380



# Inverse Universe

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



13.2925, 0.3624, 0.1844



22.5317, 0.3719, 0.1823



11.4399, 0.5214, 0.2775



9.1349, 0.3164, 0.3104



8.5877, 0.3703, 0.1813

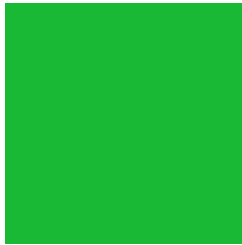


0.3099, 0.3555, 0.1732



# Previews

## White Background



This preview shows how the Yxy color 34.7447, 0.2931, 0.5600 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 34.7447, 0.2931, 0.5600 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 34.7447, 0.2931, 0.5600**

## Background



This preview shows how black text looks on a background with the Yxy color 34.7447, 0.2931, 0.5600.



This preview shows how white text looks on a background with the Yxy color 34.7447, 0.2931, 0.5600.

# 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

34.7447, 0.2931, 0.5600

### Protanopia

33.9981, 0.4263, 0.4698

### Deuteranopia

33.9301, 0.4423, 0.4334



## Tritanopia

34.6699, 0.2364, 0.3064

# Trichromacy



## Original Color

34.7447, 0.2931, 0.5600



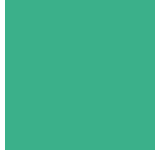
## Protanomaly

31.9968, 0.3596, 0.5136



## Deuteranomaly

31.2459, 0.3684, 0.4879



## Tritanomaly

33.8155, 0.2574, 0.3971

# Monochromacy



## Original Color

34.7447, 0.2931, 0.5600



## Achromatopsia

19.4618, 0.3127, 0.3290



## Achromatomaly

23.1401, 0.2987, 0.4264

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.7447, 0.2931, 0.5600 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(25, 184, 53)` looks like.

```
.text, #text, p{  
    color:rgb(25, 184, 53)  
}
```

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(25, 184, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 184, 53) }
```

## Border

The CSS property to change the border of an element to Yxy 34.7447, 0.2931, 0.5600 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(25, 184, 53) }
```

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

```
.border{ border-color:rgb(25, 184, 53) }
```

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

Here you see how a box with a 4 pixel rgb(25, 184, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 184, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 184, 53);  
box-shadow:4px 4px 4px 4px rgb(25, 184,  
53) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.7447, 0.2931, 0.5600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 184, 53) }
```

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

```
.background{ background-color: rgb(25, 184,  
53) }
```

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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