

Converting Colors

$Y_{xy}(37.7469, 0.2981, 0.5774)$

Have a look what the booklet for
Yxy(37.7469, 0.2981, 0.5774)
contains.

Yxy(37.6411, 0.2981, 0.5769)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.6411, 0.2981, 0.5769)

Conversions

Conversions Part 1

Format	Color
Hex	1BBF27
RGB	27, 191, 39
RGB Percent	11%, 75%, 15%
CMY	0.8938, 0.2510, 0.8472
CMYK	0.86, 0.00, 0.80, 0.25
HSL	124°, 75%, 43%
HSV	124°, 86%, 75%
XYZ	19.4502, 37.6411, 8.1559
YIQ	124.6360, -48.9520, -82.0400

Conversions

Conversions Part 2

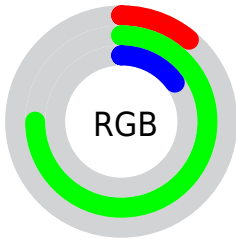
Format	Color
RYB	27, 180, 191
Decimal	1818407
CIELab	67.76, -66.37, 60.10
CIELCh	68, 89.536, 137.839
Yxy	37.6411, 0.2981, 0.5769
Android (android.graphics.Color)	4280008487 (0xFF1BBF27)
YUV	124.6360, -42.2185, -85.6268
Hunter-Lab	61.3523, -50.7778, 35.0649

Details

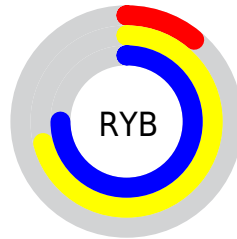
The Yxy color **37.6411, 0.2981, 0.5769** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **15.1245, 0.3366, 0.1695**, and the grayscale version is **20.5447, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7402, 0.3078, 0.5245**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.3688, 0.2987, 0.5915**, and if you desaturate by 10%, it is **38.1397, 0.2982, 0.5548**.

Distribution



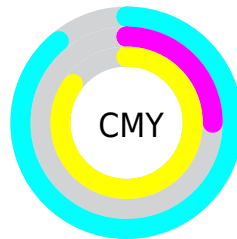
- Red (11%)
- Green (75%)
- Blue (15%)



- Red (11%)
- Yellow (71%)
- Blue (75%)



- Cyan (86%)
- Magenta (0%)
- Yellow (80%)
- Black (25%)





- Cyan (89%)
- Magenta (25%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6411, 0.2981, 0.5769 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 37.6411, 0.2981, 0.5769 by changing the saturation by 10% instead.


 37.6411, 0.2981,
0.5769


 37.6411, 0.2981,
0.5769


336.0779, 0.3162,
0.4394

 25.7043, 0.2887,
0.6133


 71.5577, 0.3080,
0.5247

 16.6025, 0.2736,
0.6596

 94.3063, 0.3107,
0.5056


 9.9515, 0.2502,
0.7244


 121.4275, 0.3125,
0.4898


 5.3668, 0.2056,
0.7944

 153.3058, 0.3138,
0.4765

 2.4641, 0.0915,
0.9085

 190.3256, 0.3147,
0.4651

 0.8586, 0.0000,
1.0000

 232.8713, 0.3154,

 0.0000, 0.0000,

0.4554

0.0000

281.3273, 0.3158,
0.4469

■ 37.6411, 0.2981,
0.5769

■ 37.6411, 0.2981,
0.5769

■ 37.3688, 0.2987,
0.5915

■ 38.1397, 0.2982,
0.5548

■ 37.2934, 0.2988,
0.5955

■ 38.8957, 0.2989,
0.5266

■ 39.9398, 0.3003,
0.4944

■ 41.2970, 0.3022,
0.4607

■ 42.9896, 0.3044,
0.4276

■ 45.0382, 0.3068,
0.3963

■ 47.4612, 0.3091,
0.3678

■ 50.2763, 0.3114,
0.3423

■ 53.4995, 0.3136,
0.3200

Harmonies

Analogous

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



37.6411, 0.4109, 0.5480



37.6411, 0.2981, 0.5769



37.6411, 0.1941, 0.4698

Triad

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



37.6411, 0.2981, 0.5769



37.6411, 0.1280, 0.1582



37.6411, 0.5321, 0.2964

Complementary

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



37.6411, 0.2981, 0.5769



15.1245, 0.3366, 0.1695

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.



37.6411, 0.4146, 0.2274



37.6411, 0.2981, 0.5769



37.6411, 0.1804, 0.1524

Square

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



37.6411, 0.2981, 0.5769



37.6411, 0.1115, 0.2026



37.6411, 0.2781, 0.1764



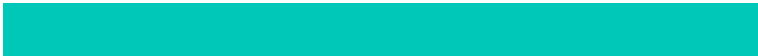
37.6411, 0.5628, 0.3731

Rectangle

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



37.6411, 0.2981, 0.5769



37.6411, 0.1458, 0.3575



37.6411, 0.2781, 0.1764



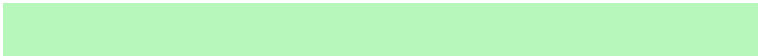
37.6411, 0.5003, 0.2723

Sweetspot

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



37.6427, 0.2981, 0.5769



80.4256, 0.3066, 0.3981



47.0539, 0.4056, 0.5067



17.3649, 0.3058, 0.4088



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



37.6427, 0.2981, 0.5769



66.7792, 0.2990, 0.5965



38.8519, 0.2632, 0.4549



10.6605, 0.3106, 0.3509



24.5131, 0.2985, 0.5945



0.9641, 0.2928, 0.5740

Inverse Universe

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



15.1245, 0.3366, 0.1695



25.5194, 0.3403, 0.1649



12.7487, 0.4855, 0.2570



9.6840, 0.3148, 0.3080



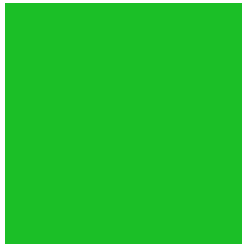
9.3748, 0.3397, 0.1645



0.3708, 0.3348, 0.1618

Previews

White Background



This preview shows how the Yxy color 37.6411, 0.2981, 0.5769 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 37.6411, 0.2981, 0.5769 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 37.6411, 0.2981, 0.5769

Background



This preview shows how black text looks on a background with the Yxy color 37.6411, 0.2981, 0.5769.



This preview shows how white text looks on a background with the Yxy color 37.6411, 0.2981, 0.5769.

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

37.6411, 0.2981, 0.5769

Protanopia

36.8456, 0.4332, 0.4793

Deuteranopia

36.7073, 0.4523, 0.4414



Tritanopia

37.4856, 0.2376, 0.3071

Trichromacy



Original Color

37.6411, 0.2981, 0.5769



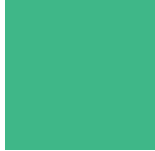
Protanomaly

34.9055, 0.3657, 0.5277



Deuteranomaly

33.8110, 0.3767, 0.5016



Tritanomaly

36.7013, 0.2624, 0.4111

Monochromacy



Original Color

37.6411, 0.2981, 0.5769



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

24.4269, 0.3030, 0.4383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6411, 0.2981, 0.5769 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(27, 191, 39)` looks like.

```
.text, #text, p{  
    color:rgb(27, 191, 39)  
}
```

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(27, 191, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 191, 39) }
```

Border

The CSS property to change the border of an element to Yxy 37.6411, 0.2981, 0.5769 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(27, 191, 39) }
```

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

```
.border{ border-color:rgb(27, 191, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 191, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 191, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 191, 39);  
box-shadow:4px 4px 4px 4px rgb(27, 191,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6411, 0.2981, 0.5769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 191, 39) }
```

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

```
.background{ background-color: rgb(27, 191,  
39) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor