

Converting Colors

$Y_{xy}(37.5959, 0.2915, 0.5693)$

Have a look what the booklet for
Yxy(37.5959, 0.2915, 0.5693)
contains.

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Color

Yxy(37.4834, 0.2916, 0.5697)

Conversions

Conversions Part 1

Format	Color
Hex	00BF31
RGB	0, 191, 49
RGB Percent	0%, 75%, 19%
CMY	0.9995, 0.2510, 0.8080
CMYK	1.00, 0.00, 0.74, 0.25
HSL	135°, 100%, 37%
HSV	135°, 100%, 75%
XYZ	19.1858, 37.4834, 9.1258
YIQ	117.7030, -68.2540, -84.6540

Conversions

Conversions Part 2

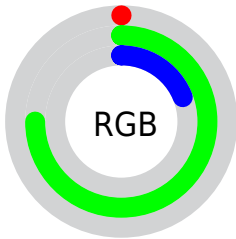
Format	Color
RYB	0, 152, 191
Decimal	48945
CIELab	67.64, -67.21, 56.68
CIELCh	68, 87.915, 139.857
Yxy	37.4834, 0.2916, 0.5697
Android (android.graphics.Color)	4278239025 (0xFF00BF31)
YUV	117.7030, -33.8706, -103.2255
Hunter-Lab	61.2237, -51.2045, 34.0190

Details

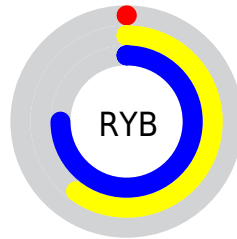
The Yxy color **37.4834, 0.2916, 0.5697** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.0374, 0.3985, 0.1969**, and the grayscale version is **18.1551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4602, 0.3021, 0.5186**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.4833, 0.2916, 0.5698**, and if you desaturate by 10%, it is **37.7643, 0.2890, 0.5509**.

Distribution



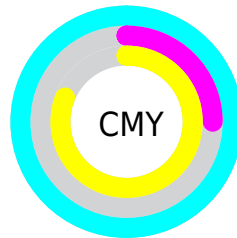
- Red (0%)
- Green (75%)
- Blue (19%)



- Red (0%)
- Yellow (60%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (74%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4834, 0.2916, 0.5697 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 37.4834, 0.2916, 0.5697 by changing the saturation by 10% instead.


 37.4834, 0.2916,
0.5697


 37.4834, 0.2916,
0.5697


335.3987, 0.3121,
0.4354


 25.5820, 0.2821,
0.6060


 71.3156, 0.3021,
0.5183

 16.5112, 0.2670,
0.6527


 94.0152, 0.3050,
0.4997


 9.8866, 0.2428,
0.7157


 121.0830, 0.3072,
0.4842

 5.3238, 0.2015,
0.7985

 152.9034, 0.3087,
0.4713

 2.4385, 0.0811,
0.9189

 189.8608, 0.3099,
0.4603

 0.8456, 0.0000,
1.0000

 232.3395, 0.3108,

 0.0000, 0.0000,

0.4508

0.0000

280.7240, 0.3115,
0.4426

■ 37.4834, 0.2916,
0.5697

■ 37.4834, 0.2916,
0.5697

■ 37.4833, 0.2916,
0.5698

■ 37.7643, 0.2890,
0.5509

■ 38.2224, 0.2873,
0.5280

■ 38.9111, 0.2870,
0.5018

■ 39.8579, 0.2883,
0.4739

■ 41.0864, 0.2908,
0.4457

■ 42.6175, 0.2943,
0.4182

■ 44.4699, 0.2985,
0.3925

■ 46.6610, 0.3031,
0.3689

■ 49.2068, 0.3079,
0.3477

Harmonies

Analogous

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



37.4834, 0.4034, 0.5501



37.4834, 0.2916, 0.5697



37.4834, 0.1903, 0.4563

Triad

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



37.4834, 0.2916, 0.5697



37.4834, 0.1324, 0.1589



37.4834, 0.5337, 0.3022

Complementary

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



37.4834, 0.2916, 0.5697



13.0374, 0.3985, 0.1969

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.



37.4834, 0.4224, 0.2330



37.4834, 0.2916, 0.5697



37.4834, 0.1872, 0.1551

Square

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



37.4834, 0.2916, 0.5697



37.4834, 0.1138, 0.2000



37.4834, 0.2870, 0.1808



37.4834, 0.5582, 0.3790

Rectangle

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



37.4834, 0.2916, 0.5697



37.4834, 0.1446, 0.3468



37.4834, 0.2870, 0.1808



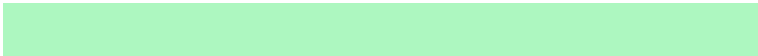
37.4834, 0.5043, 0.2781

Sweetspot

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



37.4849, 0.2916, 0.5697



79.4482, 0.2982, 0.3939



43.1279, 0.3757, 0.5399



17.1223, 0.2964, 0.4046



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.



37.4849, 0.2916, 0.5697



67.0980, 0.2923, 0.5722



39.2552, 0.2478, 0.4119



10.6886, 0.3082, 0.3465



24.6442, 0.2910, 0.5676



0.9764, 0.2772, 0.5181

Inverse Universe

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



13.0374, 0.3985, 0.1969



23.3010, 0.4001, 0.1977



11.2917, 0.5933, 0.3043



9.6534, 0.3176, 0.3121



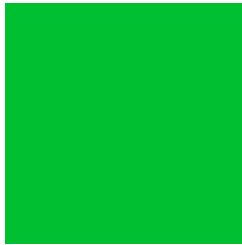
8.5788, 0.3973, 0.1962



0.3461, 0.3753, 0.1841

Previews

White Background



This preview shows how the Yxy color 37.4834, 0.2916, 0.5697 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 37.4834, 0.2916, 0.5697 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 37.4834, 0.2916, 0.5697

Background



This preview shows how black text looks on a background with the Yxy color 37.4834, 0.2916, 0.5697.



This preview shows how white text looks on a background with the Yxy color 37.4834, 0.2916, 0.5697.

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

37.4834, 0.2916, 0.5697

Protanopia

36.9084, 0.4294, 0.4737

Deuteranopia

36.6389, 0.4469, 0.4364



Tritanopia

37.3533, 0.2353, 0.3055

Trichromacy



Original Color

37.4834, 0.2916, 0.5697



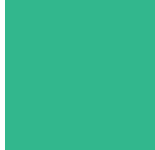
Protanomaly

34.2435, 0.3526, 0.5262



Deuteranomaly

33.0566, 0.3624, 0.4997



Tritanomaly

36.4682, 0.2546, 0.4027

Monochromacy



Original Color

37.4834, 0.2916, 0.5697



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

22.5370, 0.2916, 0.4380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4834, 0.2916, 0.5697 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(0, 191, 49)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 49)  
}
```

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(0, 191, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 49) }
```

Border

The CSS property to change the border of an element to Yxy 37.4834, 0.2916, 0.5697 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(0, 191, 49) }
```

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

```
.border{ border-color:rgb(0, 191, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 49);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 49)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.4834, 0.2916, 0.5697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 49) }
```

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

```
.background{ background-color: rgb(0, 191,  
49) }
```

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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