

Converting Colors

$Y_{xy}(37.5774, 0.2921, 0.5717)$

Have a look what the booklet for
Yxy(37.5774, 0.2921, 0.5717)
contains.

Yxy(37.4668, 0.2922, 0.5718)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.4668, 0.2922, 0.5718)

Conversions

Conversions Part 1

Format	Color
Hex	00BF2F
RGB	0, 191, 47
RGB Percent	0%, 75%, 18%
CMY	0.9990, 0.2510, 0.8157
CMYK	1.00, 0.00, 0.75, 0.25
HSL	135°, 100%, 38%
HSV	135°, 100%, 75%
XYZ	19.1462, 37.4668, 8.9113
YIQ	117.4750, -67.6120, -85.2760

Conversions

Conversions Part 2

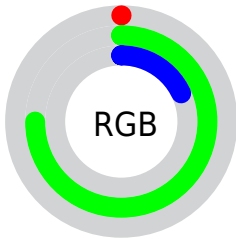
Format	Color
RYB	0, 153, 191
Decimal	48943
CIELab	67.63, -67.35, 57.35
CIELCh	68, 88.462, 139.588
Yxy	37.4668, 0.2922, 0.5718
Android (android.graphics.Color)	4278239023 (0xFF00BF2F)
YUV	117.4750, -34.7442, -103.0256
Hunter-Lab	61.2101, -51.2839, 34.2153

Details

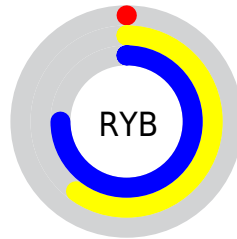
The Yxy color **37.4668, 0.2922, 0.5718** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.1038, 0.3946, 0.1948**, and the grayscale version is **18.0964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4400, 0.3025, 0.5198**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.4650, 0.2922, 0.5720**, and if you desaturate by 10%, it is **37.7450, 0.2896, 0.5533**.

Distribution



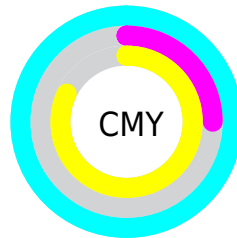
- Red (0%)
- Green (75%)
- Blue (18%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (75%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4668, 0.2922, 0.5718 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 37.4668, 0.2922, 0.5718 by changing the saturation by 10% instead.


 37.4668, 0.2922,
0.5718


 37.4668, 0.2922,
0.5718


335.3271, 0.3126,
0.4364


 25.5691, 0.2826,
0.6083


 71.2901, 0.3027,
0.5200


 16.5016, 0.2673,
0.6551


 93.9846, 0.3057,
0.5013


 9.8798, 0.2430,
0.7187


 121.0468, 0.3078,
0.4857

 5.3193, 0.2008,
0.7992

 152.8610, 0.3093,
0.4726

 2.4358, 0.0795,
0.9205

 189.8118, 0.3105,
0.4615

 0.8442, 0.0000,
1.0000

 232.2835, 0.3114,

 0.0000, 0.0000,

0.4520

0.0000

280.6605, 0.3120,
0.4437

■ 37.4668, 0.2922,
0.5718

■ 37.4668, 0.2922,
0.5718

■ 37.4650, 0.2922,
0.5720

■ 37.7450, 0.2896,
0.5533

■ 38.2019, 0.2880,
0.5303

■ 38.8906, 0.2878,
0.5040

■ 39.8386, 0.2890,
0.4758

■ 41.0698, 0.2915,
0.4472

■ 42.6049, 0.2949,
0.4194

■ 44.4630, 0.2989,
0.3933

■ 46.6614, 0.3034,
0.3694

■ 49.2162, 0.3081,
0.3478

Harmonies

Analogous

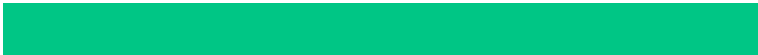
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.4668, 0.4044, 0.5505



37.4668, 0.2922, 0.5718



37.4668, 0.1903, 0.4587

Triad

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



37.4668, 0.2922, 0.5718



37.4668, 0.1313, 0.1583



37.4668, 0.5344, 0.3012

Complementary

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



37.4668, 0.2922, 0.5718



13.1038, 0.3946, 0.1948

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.



37.4668, 0.4218, 0.2320



37.4668, 0.2922, 0.5718



37.4668, 0.1858, 0.1542

Square

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



37.4668, 0.2922, 0.5718



37.4668, 0.1129, 0.1998



37.4668, 0.2857, 0.1798



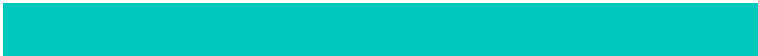
37.4668, 0.5596, 0.3781

Rectangle

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



37.4668, 0.2922, 0.5718



37.4668, 0.1441, 0.3482



37.4668, 0.2857, 0.1798



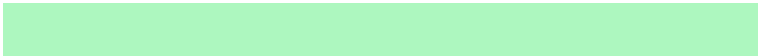
37.4668, 0.5046, 0.2771

Sweetspot

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



37.4683, 0.2922, 0.5718



79.4126, 0.2987, 0.3948



43.4184, 0.3785, 0.5376



17.1138, 0.2969, 0.4058



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.



37.4683, 0.2922, 0.5718



67.0685, 0.2929, 0.5744



39.1606, 0.2494, 0.4178



10.6869, 0.3083, 0.3468



24.6326, 0.2916, 0.5699



0.9756, 0.2781, 0.5210

Inverse Universe

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



13.1038, 0.3946, 0.1948



23.4148, 0.3961, 0.1956



11.3222, 0.5878, 0.3013



9.6552, 0.3174, 0.3118



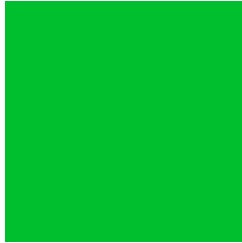
8.6199, 0.3935, 0.1941



0.3474, 0.3727, 0.1827

Previews

White Background



This preview shows how the Yxy color 37.4668, 0.2922, 0.5718 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 37.4668, 0.2922, 0.5718 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 37.4668, 0.2922, 0.5718

Background



This preview shows how black text looks on a background with the Yxy color 37.4668, 0.2922, 0.5718.



This preview shows how white text looks on a background with the Yxy color 37.4668, 0.2922, 0.5718.

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

37.4668, 0.2922, 0.5718

Protanopia

36.8945, 0.4303, 0.4749

Deuteranopia

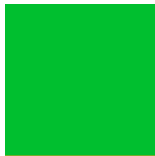
36.6279, 0.4476, 0.4372



Tritanopia

37.3533, 0.2353, 0.3055

Trichromacy



Original Color

37.4668, 0.2922, 0.5718



Protanomaly

34.2284, 0.3534, 0.5280



Deuteranomaly

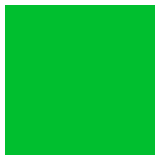
33.0465, 0.3629, 0.5008



Tritanomaly

36.4385, 0.2552, 0.4046

Monochromacy



Original Color

37.4668, 0.2922, 0.5718



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

22.5194, 0.2924, 0.4402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4668, 0.2922, 0.5718 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, 47)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 47)  
}
```

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, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 47) }
```

Border

The CSS property to change the border of an element to Yxy 37.4668, 0.2922, 0.5718 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, 47) }
```

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

```
.border{ border-color:rgb(0, 191, 47) }
```

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, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 47);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 47)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.4668, 0.2922, 0.5718 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, 47) }
```

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

```
.background{ background-color: rgb(0, 191,  
47) }
```

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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