

Converting Colors

$Y_{xy}(37.5359, 0.2937, 0.5772)$

Have a look what the booklet for
Yxy(37.5359, 0.2937, 0.5772)
contains.

Yxy(37.4288, 0.2936, 0.5768)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.4288, 0.2936, 0.5768)

Conversions

Conversions Part 1

Format	Color
Hex	00BF2A
RGB	0, 191, 42
RGB Percent	0%, 75%, 16%
CMY	0.9986, 0.2510, 0.8353
CMYK	1.00, 0.00, 0.78, 0.25
HSL	133°, 100%, 38%
HSV	133°, 100%, 75%
XYZ	19.0518, 37.4288, 8.4098
YIQ	116.9050, -66.0070, -86.8310

Conversions

Conversions Part 2

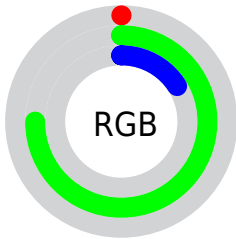
Format	Color
RYB	0, 157, 191
Decimal	48938
CIELab	67.60, -67.71, 58.96
CIELCh	68, 89.786, 138.954
Yxy	37.4288, 0.2936, 0.5768
Android (android.graphics.Color)	4278239018 (0xFF00BF2A)
YUV	116.9050, -36.9282, -102.5257
Hunter-Lab	61.1791, -51.4766, 34.6752

Details

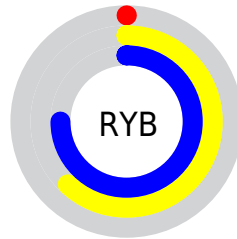
The Yxy color **37.4288, 0.2936, 0.5768** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **13.2651, 0.3853, 0.1897**, and the grayscale version is **17.9241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3615, 0.3040, 0.5242**, and **17.6083, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.4261, 0.2936, 0.5771**, and if you desaturate by 10%, it is **37.6986, 0.2913, 0.5590**.

Distribution



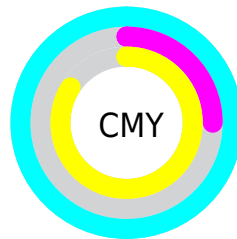
- Red (0%)
- Green (75%)
- Blue (16%)



- Red (0%)
- Yellow (62%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4288, 0.2936, 0.5768 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 37.4288, 0.2936, 0.5768 by changing the saturation by 10% instead.


 37.4288, 0.2936,
0.5768


 37.4288, 0.2936,
0.5768


335.1633, 0.3138,
0.4388

 25.5397, 0.2838,
0.6137


 71.2318, 0.3042,
0.5242

 16.4796, 0.2681,
0.6608


 93.9144, 0.3072,
0.5051

 9.8641, 0.2438,
0.7261


 120.9637, 0.3092,
0.4892

 5.3090, 0.1992,
0.8008

 152.7640, 0.3108,
0.4758

 2.4297, 0.0756,
0.9244

 189.6997, 0.3119,
0.4645

 0.8411, 0.0000,
1.0000

 232.1552, 0.3127,

 0.0000, 0.0000,

0.4547

0.0000

280.5150, 0.3133,
0.4462

■ 37.4288, 0.2936,
0.5768

■ 37.4288, 0.2936,
0.5768

■ 37.4261, 0.2936,
0.5771

■ 37.6986, 0.2913,
0.5590

■ 38.1495, 0.2898,
0.5362

■ 38.8346, 0.2896,
0.5096

■ 39.7819, 0.2907,
0.4808

■ 41.0154, 0.2930,
0.4513

■ 42.5564, 0.2962,
0.4226

■ 44.4241, 0.3000,
0.3955

■ 46.6359, 0.3042,
0.3707

■ 49.2083, 0.3085,
0.3484

Harmonies

Analogous

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



37.4288, 0.4069, 0.5515



37.4288, 0.2936, 0.5768



37.4288, 0.1903, 0.4644

Triad

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



37.4288, 0.2936, 0.5768



37.4288, 0.1287, 0.1568



37.4288, 0.5360, 0.2989

Complementary

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



37.4288, 0.2936, 0.5768



13.2651, 0.3853, 0.1897

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.



37.4288, 0.4203, 0.2294



37.4288, 0.2936, 0.5768



37.4288, 0.1827, 0.1522

Square

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



37.4288, 0.2936, 0.5768



37.4288, 0.1109, 0.1995



37.4288, 0.2825, 0.1773



37.4288, 0.5630, 0.3760

Rectangle

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



37.4288, 0.2936, 0.5768



37.4288, 0.1432, 0.3516



37.4288, 0.2825, 0.1773



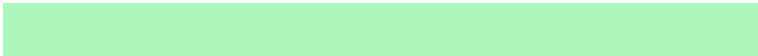
37.4288, 0.5051, 0.2746

Sweetspot

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



37.4303, 0.2936, 0.5768



79.3261, 0.2998, 0.3973



43.7165, 0.3814, 0.5352



17.0933, 0.2981, 0.4086



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.



37.4303, 0.2936, 0.5768



67.0024, 0.2942, 0.5793



39.0688, 0.2511, 0.4237



10.6828, 0.3087, 0.3474



24.6065, 0.2931, 0.5751



0.9739, 0.2801, 0.5285

Inverse Universe

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



13.2651, 0.3853, 0.1897



23.7024, 0.3866, 0.1903



11.3536, 0.5821, 0.2982



9.6596, 0.3170, 0.3112



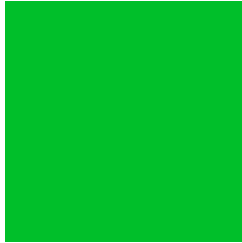
8.7235, 0.3844, 0.1891



0.3507, 0.3664, 0.1792

Previews

White Background



This preview shows how the Yxy color 37.4288, 0.2936, 0.5768 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 37.4288, 0.2936, 0.5768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

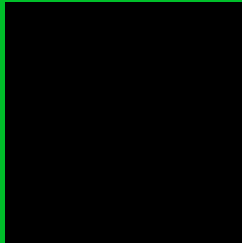
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.4288, 0.2936, 0.5768

Background



This preview shows how black text looks on a background with the Yxy color 37.4288, 0.2936, 0.5768.



This preview shows how white text looks on a background with the Yxy color 37.4288, 0.2936, 0.5768.

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

37.4288, 0.2936, 0.5768

Protanopia

36.8626, 0.4322, 0.4778

Deuteranopia

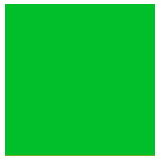
36.5855, 0.4501, 0.4404



Tritanopia

37.3088, 0.2358, 0.3070

Trichromacy



Original Color

37.4288, 0.2936, 0.5768



Protanomaly

34.1940, 0.3552, 0.5322



Deuteranomaly

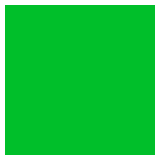
32.9990, 0.3655, 0.5062



Tritanomaly

36.3512, 0.2569, 0.4103

Monochromacy



Original Color

37.4288, 0.2936, 0.5768



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

22.1806, 0.2939, 0.4429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4288, 0.2936, 0.5768 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, 42)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 42)  
}
```

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, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 42) }
```

Border

The CSS property to change the border of an element to Yxy 37.4288, 0.2936, 0.5768 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, 42) }
```

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

```
.border{ border-color:rgb(0, 191, 42) }
```

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, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 42);  
box-shadow:4px 4px 4px 4px rgb(0, 191, 42)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.4288, 0.2936, 0.5768 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, 42) }
```

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

```
.background{ background-color: rgb(0, 191,  
42) }
```

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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