

Converting Colors

$Y_{xy}(37.8970, 0.2930, 0.5740)$

Have a look what the booklet for
Yxy(37.8970, 0.2930, 0.5740)
contains.

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Color

Yxy(37.9016, 0.2930, 0.5740)

Conversions

Conversions Part 1

Format	Color
Hex	02C02D
RGB	2, 192, 45
RGB Percent	1%, 75%, 18%
CMY	0.9929, 0.2470, 0.8234
CMYK	0.99, 0.00, 0.77, 0.25
HSL	134°, 98%, 38%
HSV	134°, 99%, 75%
XYZ	19.3470, 37.9016, 8.7821
YIQ	118.4320, -66.0530, -85.9970

Conversions

Conversions Part 2

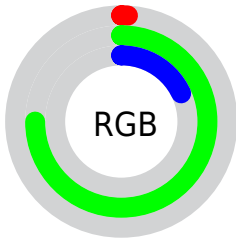
Format	Color
RYB	2, 157, 192
Decimal	180269
CIELab	67.95, -67.72, 58.33
CIELCh	68, 89.377, 139.263
Yxy	37.9016, 0.2930, 0.5740
Android (android.graphics.Color)	4278370349 (0xFF02C02D)
YUV	118.4320, -36.2020, -102.1109
Hunter-Lab	61.5643, -51.6427, 34.6373

Details

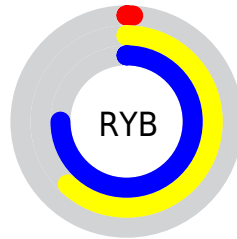
The Yxy color **37.9016, 0.2930, 0.5740** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **13.4089, 0.3877, 0.1914**, and the grayscale version is **18.3740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0775, 0.3036, 0.5223**, and **17.8913, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.8810, 0.2932, 0.5755**, and if you desaturate by 10%, it is **38.1862, 0.2906, 0.5556**.

Distribution



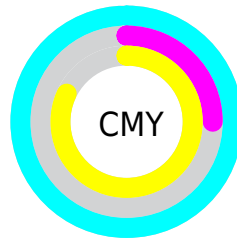
- Red (1%)
- Green (75%)
- Blue (18%)



- Red (1%)
- Yellow (62%)
- Blue (75%)



- Cyan (99%)
- Magenta (0%)
- Yellow (77%)
- Black (25%)





- Cyan (99%)
- Magenta (25%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9016, 0.2930, 0.5740 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 37.9016, 0.2930, 0.5740 by changing the saturation by 10% instead.

 37.9016, 0.2930,
0.5740


 37.9016, 0.2930,
0.5740


 337.1977, 0.3132,
0.4377


 25.9063, 0.2834,
0.6105


 71.9573, 0.3035,
0.5220


 16.7536, 0.2681,
0.6572


 94.7865, 0.3064,
0.5031

 10.0590, 0.2439,
0.7206


 121.9958, 0.3085,
0.4875

 5.4381, 0.2013,
0.7987

 153.9696, 0.3101,
0.4743

 2.5065, 0.0858,
0.9142

 191.0923, 0.3112,
0.4631

 0.8799, 0.0000,
1.0000

 233.7483, 0.3120,

 0.0000, 0.0000,

0.4534

0.0000

282.3219, 0.3127,
0.4451

■ 37.9016, 0.2930,
0.5740

■ 37.9016, 0.2930,
0.5740

■ 37.8810, 0.2932,
0.5755

■ 38.1862, 0.2906,
0.5556

■ 38.6611, 0.2891,
0.5324

■ 39.3745, 0.2890,
0.5057

■ 40.3545, 0.2903,
0.4770

■ 41.6249, 0.2927,
0.4478

■ 43.2070, 0.2960,
0.4194

■ 45.1199, 0.3000,
0.3928

■ 47.3813, 0.3043,
0.3685

■ 50.0076, 0.3087,
0.3466

Harmonies

Analogous

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



37.9016, 0.4057, 0.5508



37.9016, 0.2930, 0.5740



37.9016, 0.1905, 0.4614

Triad

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



37.9016, 0.2930, 0.5740



37.9016, 0.1301, 0.1577



37.9016, 0.5349, 0.3001

Complementary

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



37.9016, 0.2930, 0.5740



13.4089, 0.3877, 0.1914

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.



37.9016, 0.4209, 0.2308



37.9016, 0.2930, 0.5740



37.9016, 0.1844, 0.1534

Square

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



37.9016, 0.2930, 0.5740



37.9016, 0.1121, 0.1998



37.9016, 0.2841, 0.1787



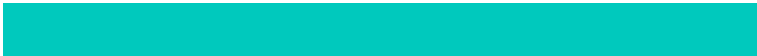
37.9016, 0.5611, 0.3770

Rectangle

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



37.9016, 0.2930, 0.5740



37.9016, 0.1438, 0.3499



37.9016, 0.2841, 0.1787



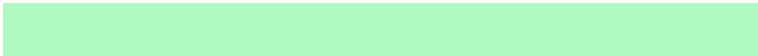
37.9016, 0.5046, 0.2759

Sweetspot

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



37.9032, 0.2930, 0.5740



81.2195, 0.2994, 0.3965



44.2654, 0.3815, 0.5347



17.1001, 0.2977, 0.4077



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.



37.9032, 0.2930, 0.5740



68.6026, 0.2938, 0.5778



39.5517, 0.2510, 0.4230



11.2955, 0.3086, 0.3473



25.4981, 0.2927, 0.5736



1.1126, 0.2804, 0.5293

Inverse Universe

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



13.4089, 0.3877, 0.1914



24.1600, 0.3898, 0.1921



11.5289, 0.5799, 0.2976



10.2071, 0.3172, 0.3114



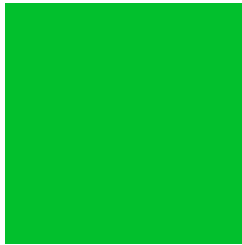
8.9993, 0.3875, 0.1908



0.3987, 0.3698, 0.1811

Previews

White Background



This preview shows how the Yxy color 37.9016, 0.2930, 0.5740 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 37.9016, 0.2930, 0.5740 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 37.9016, 0.2930, 0.5740

Background



This preview shows how black text looks on a background with the Yxy color 37.9016, 0.2930, 0.5740.



This preview shows how white text looks on a background with the Yxy color 37.9016, 0.2930, 0.5740.

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

37.9016, 0.2930, 0.5740

Protanopia

37.3645, 0.4311, 0.4763

Deuteranopia

37.0823, 0.4488, 0.4394



Tritanopia

37.7527, 0.2357, 0.3071

Trichromacy



Original Color

37.9016, 0.2930, 0.5740



Protanomaly

34.6716, 0.3545, 0.5298



Deuteranomaly

33.4771, 0.3644, 0.5033



Tritanomaly

36.8489, 0.2565, 0.4079

Monochromacy



Original Color

37.9016, 0.2930, 0.5740



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

22.5426, 0.2940, 0.4421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9016, 0.2930, 0.5740 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(2, 192, 45)` looks like.

```
.text, #text, p{  
    color:rgb(2, 192, 45)  
}
```

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(2, 192, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 192, 45) }
```

Border

The CSS property to change the border of an element to Yxy 37.9016, 0.2930, 0.5740 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(2, 192, 45) }
```

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

```
.border{ border-color:rgb(2, 192, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 192, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 192, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 192, 45);  
box-shadow:4px 4px 4px 4px rgb(2, 192, 45)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.9016, 0.2930, 0.5740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 192, 45) }
```

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

```
.background{ background-color: rgb(2, 192,  
45) }
```

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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