

Converting Colors

$Y_{xy}(37.9196, 0.2944, 0.5744)$

Have a look what the booklet for
Yxy(37.9196, 0.2944, 0.5744)
contains.

Yxy(37.9593, 0.2943, 0.5743)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.9593, 0.2943, 0.5743)

Conversions

Conversions Part 1

Format	Color
Hex	0CC02C
RGB	12, 192, 44
RGB Percent	5%, 75%, 17%
CMY	0.9544, 0.2470, 0.8274
CMYK	0.94, 0.00, 0.77, 0.25
HSL	131°, 89%, 40%
HSV	131°, 94%, 75%
XYZ	19.4522, 37.9593, 8.6851
YIQ	121.3080, -59.7720, -84.1880

Conversions

Conversions Part 2

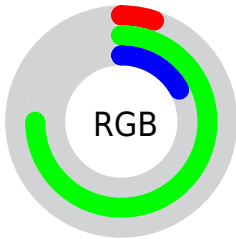
Format	Color
RYB	12, 165, 192
Decimal	835628
CIELab	67.99, -67.37, 58.72
CIELCh	68, 89.370, 138.927
Yxy	37.9593, 0.2943, 0.5743
Android (android.graphics.Color)	4279025708 (0xFF0CC02C)
YUV	121.3080, -38.1128, -95.8631
Hunter-Lab	61.6111, -51.4623, 34.7699

Details

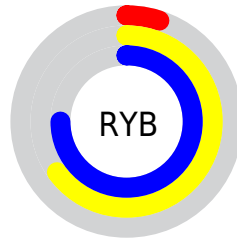
The Yxy color **37.9593, 0.2943, 0.5743** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **13.9873, 0.3685, 0.1829**, and the grayscale version is **19.3310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1749, 0.3049, 0.5229**, and **17.8913, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.8215, 0.2954, 0.5836**, and if you desaturate by 10%, it is **38.3159, 0.2926, 0.5544**.

Distribution



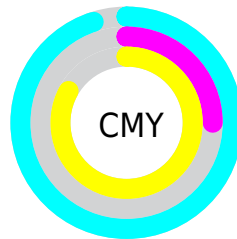
- Red (5%)
- Green (75%)
- Blue (17%)



- Red (5%)
- Yellow (65%)
- Blue (75%)



- Cyan (94%)
- Magenta (0%)
- Yellow (77%)
- Black (25%)





- Cyan (95%)
- Magenta (25%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9593, 0.2943, 0.5743 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 37.9593, 0.2943, 0.5743 by changing the saturation by 10% instead.


 37.9593, 0.2943,
0.5743


 37.9593, 0.2943,
0.5743


 337.4453, 0.3139,
0.4380


 25.9511, 0.2848,
0.6107


 72.0458, 0.3046,
0.5224


 16.7871, 0.2696,
0.6572


 94.8928, 0.3075,
0.5035


 10.0828, 0.2456,
0.7205


 122.1216, 0.3095,
0.4878

 5.4539, 0.2030,
0.7970

 154.1165, 0.3110,
0.4746

 2.5160, 0.0898,
0.9102

 191.2619, 0.3120,
0.4634

 0.8846, 0.0000,
1.0000

 233.9423, 0.3128,

 0.0000, 0.0000,

0.4538

0.0000

282.5420, 0.3134,
0.4454

■ 37.9593, 0.2943,
0.5743

■ 37.9593, 0.2943,
0.5743

■ 37.8215, 0.2954,
0.5836

■ 38.3159, 0.2926,
0.5544

■ 38.8976, 0.2920,
0.5293

■ 39.7375, 0.2926,
0.5007

■ 40.8619, 0.2943,
0.4703

■ 42.2938, 0.2969,
0.4398

■ 44.0541, 0.3001,
0.4105

■ 46.1614, 0.3037,
0.3834

■ 48.6332, 0.3075,
0.3588

■ 51.4858, 0.3112,
0.3369

Harmonies

Analogous

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



37.9593, 0.4069, 0.5499



37.9593, 0.2943, 0.5743



37.9593, 0.1915, 0.4631

Triad

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



37.9593, 0.2943, 0.5743



37.9593, 0.1298, 0.1580



37.9593, 0.5339, 0.2993

Complementary

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



37.9593, 0.2943, 0.5743



13.9873, 0.3685, 0.1829

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.



37.9593, 0.4193, 0.2301



37.9593, 0.2943, 0.5743



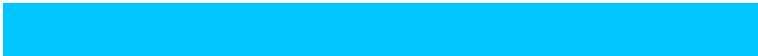
37.9593, 0.1836, 0.1533

Square

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



37.9593, 0.2943, 0.5743



37.9593, 0.1121, 0.2006



37.9593, 0.2828, 0.1783



37.9593, 0.5612, 0.3762

Rectangle

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



37.9593, 0.2943, 0.5743



37.9593, 0.1445, 0.3517



37.9593, 0.2828, 0.1783



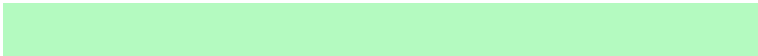
37.9593, 0.5033, 0.2752

Sweetspot

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



37.9609, 0.2943, 0.5743



81.8311, 0.3021, 0.3953



45.4049, 0.3907, 0.5247



17.2092, 0.3005, 0.4073



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.



37.9609, 0.2943, 0.5743



68.4974, 0.2960, 0.5855



39.4417, 0.2551, 0.4345



11.2877, 0.3092, 0.3484



25.4555, 0.2950, 0.5819



1.1091, 0.2841, 0.5426

Inverse Universe

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



13.9873, 0.3685, 0.1829



24.7156, 0.3734, 0.1830



11.9267, 0.5466, 0.2831



10.2155, 0.3164, 0.3103



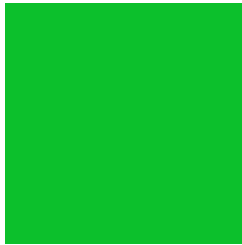
9.2017, 0.3716, 0.1821



0.4059, 0.3584, 0.1748

Previews

White Background



This preview shows how the Yxy color 37.9593, 0.2943, 0.5743 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 37.9593, 0.2943, 0.5743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

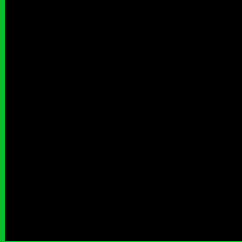
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9593, 0.2943, 0.5743

Background



This preview shows how black text looks on a background with the Yxy color 37.9593, 0.2943, 0.5743.



This preview shows how white text looks on a background with the Yxy color 37.9593, 0.2943, 0.5743.

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

37.9593, 0.2943, 0.5743

Protanopia

37.3581, 0.4314, 0.4769

Deuteranopia

37.0718, 0.4494, 0.4402



Tritanopia

37.7959, 0.2361, 0.3071

Trichromacy



Original Color

37.9593, 0.2943, 0.5743



Protanomaly

34.9507, 0.3586, 0.5280



Deuteranomaly

33.7932, 0.3689, 0.5018



Tritanomaly

36.9573, 0.2578, 0.4076

Monochromacy



Original Color

37.9593, 0.2943, 0.5743



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

23.4071, 0.2968, 0.4396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9593, 0.2943, 0.5743 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(12, 192, 44)` looks like.

```
.text, #text, p{  
    color:rgb(12, 192, 44)  
}
```

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(12, 192, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 192, 44) }
```

Border

The CSS property to change the border of an element to Yxy 37.9593, 0.2943, 0.5743 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(12, 192, 44) }
```

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

```
.border{ border-color:rgb(12, 192, 44) }
```

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

Here you see how a box with a 4 pixel rgb(12, 192, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 192, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 192, 44);  
box-shadow:4px 4px 4px 4px rgb(12, 192,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9593, 0.2943, 0.5743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 192, 44) }
```

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

```
.background{ background-color: rgb(12, 192,  
44) }
```

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