

Converting Colors

$Y_{xy}(37.8539, 0.2994, 0.5977)$

Have a look what the booklet for
Yxy(37.8539, 0.2994, 0.5977)
contains.

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Color

$\text{Yxy}(37.7146, 0.2994, 0.5978)$

Conversions

Conversions Part 1

Format	Color
Hex	00C007
RGB	0, 192, 7
RGB Percent	0%, 75%, 3%
CMY	0.9997, 0.2471, 0.9724
CMYK	1.00, 0.00, 0.96, 0.25
HSL	122°, 100%, 38%
HSV	122°, 100%, 75%
XYZ	18.8888, 37.7146, 6.4855
YIQ	113.5020, -55.0470, -98.2390

Conversions

Conversions Part 2

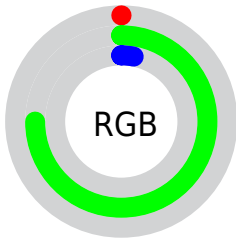
Format	Color
RYB	0, 185, 192
Decimal	49159
CIELab	67.81, -69.47, 66.39
CIELCh	68, 96.091, 136.296
Yxy	37.7146, 0.2994, 0.5978
Android (android.graphics.Color)	4278239239 (0xFF00C007)
YUV	113.5020, -52.5055, -99.5413
Hunter-Lab	61.4122, -52.5693, 36.7271

Details

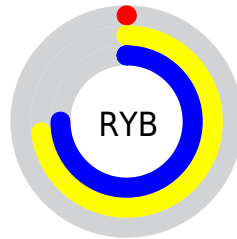
The Yxy color **37.7146, 0.2994, 0.5978** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **14.7136, 0.3302, 0.1593**, and the grayscale version is **16.8525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7901, 0.3108, 0.5422**, and **17.8913, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.7154, 0.2994, 0.5978**, and if you desaturate by 10%, it is **37.9141, 0.2994, 0.5881**.

Distribution



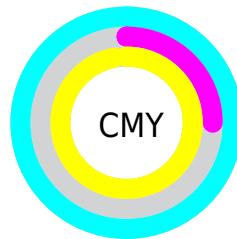
- Red (0%)
- Green (75%)
- Blue (3%)



- Red (0%)
- Yellow (73%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (96%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7146, 0.2994, 0.5978 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 37.7146, 0.2994, 0.5978 by changing the saturation by 10% instead.


 37.7146, 0.2994,
0.5978


 37.7146, 0.2994,
0.5978


336.3941, 0.3192,
0.4497

 25.7613, 0.2886,
0.6357


 71.6705, 0.3107,
0.5423

 16.6451, 0.2709,
0.6827


 94.4418, 0.3137,
0.5218

 9.9818, 0.2463,
0.7537


 121.5879, 0.3157,
0.5046

 5.3869, 0.1936,
0.8064

 153.4932, 0.3170,
0.4902

 2.4760, 0.0671,
0.9329

 190.5421, 0.3179,
0.4778

 0.8646, 0.0000,
1.0000

 233.1189, 0.3186,

 0.0000, 0.0000,

0.4672

0.0000

281.6081, 0.3190,
0.4579

■ 37.7146, 0.2994,
0.5978

■ 37.7146, 0.2994,
0.5978

■ 37.7154, 0.2994,
0.5978

■ 37.9141, 0.2994,
0.5881

■ 38.3038, 0.2997,
0.5704

■ 38.9442, 0.3005,
0.5452

■ 39.8682, 0.3017,
0.5143

■ 41.1033, 0.3034,
0.4803

■ 42.6741, 0.3053,
0.4456

■ 44.6025, 0.3072,
0.4122

■ 46.9087, 0.3092,
0.3812

■ 49.6113, 0.3110,
0.3534

Harmonies

Analogous

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



37.7146, 0.4173, 0.5541



37.7146, 0.2994, 0.5978



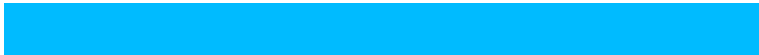
37.7146, 0.1901, 0.4905

Triad

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



37.7146, 0.2994, 0.5978



37.7146, 0.1178, 0.1506



37.7146, 0.5424, 0.2885

Complementary

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



37.7146, 0.2994, 0.5978



14.7136, 0.3302, 0.1593

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.



37.7146, 0.4133, 0.2182



37.7146, 0.2994, 0.5978



37.7146, 0.1693, 0.1435

Square

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



37.7146, 0.2994, 0.5978



37.7146, 0.1023, 0.1979



37.7146, 0.2687, 0.1668



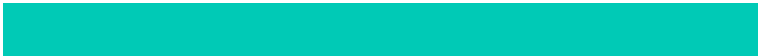
37.7146, 0.5777, 0.3664

Rectangle

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



37.7146, 0.2994, 0.5978



37.7146, 0.1389, 0.3672



37.7146, 0.2687, 0.1668



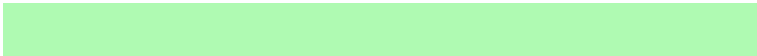
37.7146, 0.5071, 0.2639

Sweetspot

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



37.7162, 0.2994, 0.5978



80.6150, 0.3071, 0.4139



48.0901, 0.4135, 0.5098



16.9617, 0.3063, 0.4279



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.



37.7162, 0.2994, 0.5978



68.3289, 0.2996, 0.5984



38.6688, 0.2694, 0.4897



11.2646, 0.3111, 0.3519



25.3803, 0.2993, 0.5973



1.0987, 0.2965, 0.5873

Inverse Universe

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



14.7136, 0.3302, 0.1593



26.6475, 0.3304, 0.1594



11.9408, 0.5105, 0.2586



10.2410, 0.3143, 0.3071



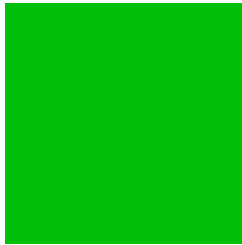
9.9017, 0.3301, 0.1592



0.4298, 0.3279, 0.1580

Previews

White Background



This preview shows how the Yxy color 37.7146, 0.2994, 0.5978 looks on a white background.

Color Contrast Check

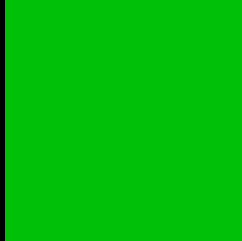
Large Text (above 18pt) WCAG AA × Fail

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 37.7146, 0.2994, 0.5978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

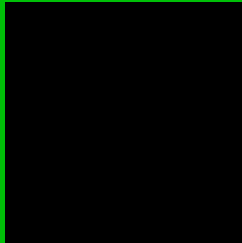
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7146, 0.2994, 0.5978

Background



This preview shows how black text looks on a background with the Yxy color 37.7146, 0.2994, 0.5978.



This preview shows how white text looks on a background with the Yxy color 37.7146, 0.2994, 0.5978.

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

37.7146, 0.2994, 0.5978

Protanopia

36.8652, 0.4408, 0.4882

Deuteranopia

37.0659, 0.4595, 0.4510



Tritanopia

37.4404, 0.2362, 0.3056

Trichromacy



Original Color

37.7146, 0.2994, 0.5978



Protanomaly

34.1302, 0.3635, 0.5484



Deuteranomaly

33.2899, 0.3749, 0.5251



Tritanomaly

36.0777, 0.2646, 0.4329

Monochromacy



Original Color

37.7146, 0.2994, 0.5978



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

21.2705, 0.3042, 0.4727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7146, 0.2994, 0.5978 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, 192, 7)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 7)  
}
```

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, 192, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 7) }
```

Border

The CSS property to change the border of an element to Yxy 37.7146, 0.2994, 0.5978 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, 192, 7) }
```

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

```
.border{ border-color:rgb(0, 192, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 192, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 192, 7); box-shadow:4px  
4px 4px 4px rgb(0, 192, 7) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7146, 0.2994, 0.5978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 7) }
```

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

```
.background{ background-color: rgb(0, 192,  
7) }
```

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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