

Converting Colors

$Y_{xy}(37.8712, 0.2976, 0.5860)$

Have a look what the booklet for
Yxy(37.8712, 0.2976, 0.5860)
contains.

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Color

Yxy(37.8712, 0.2976, 0.5860)

Conversions

Conversions Part 1

Format	Color
Hex	0CC01E
RGB	12, 192, 30
RGB Percent	5%, 75%, 12%
CMY	0.9539, 0.2470, 0.8824
CMYK	0.94, 0.00, 0.84, 0.25
HSL	126°, 88%, 40%
HSV	126°, 94%, 75%
XYZ	19.2329, 37.8712, 7.5225
YIQ	119.7120, -55.2780, -88.5420

Conversions

Conversions Part 2

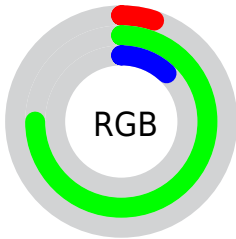
Format	Color
RYB	12, 176, 192
Decimal	835614
CIELab	67.93, -68.21, 62.63
CIELCh	68, 92.600, 137.439
Yxy	37.8712, 0.2976, 0.5860
Android (android.graphics.Color)	4279025694 (0xFF0CC01E)
YUV	119.7120, -44.2280, -94.4634
Hunter-Lab	61.5396, -51.9079, 35.8302

Details

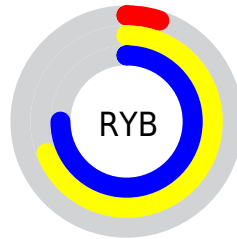
The Yxy color **37.8712, 0.2976, 0.5860** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **14.5127, 0.3462, 0.1704**, and the grayscale version is **18.8197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0101, 0.3080, 0.5323**, and **17.8913, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.7511, 0.2981, 0.5932**, and if you desaturate by 10%, it is **38.2006, 0.2968, 0.5687**.

Distribution



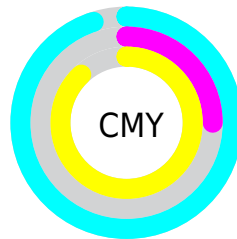
- Red (5%)
- Green (75%)
- Blue (12%)



- Red (5%)
- Yellow (69%)
- Blue (75%)



- Cyan (94%)
- Magenta (0%)
- Yellow (84%)
- Black (25%)




- Cyan (95%)
- Magenta (25%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8712, 0.2976, 0.5860 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 37.8712, 0.2976, 0.5860 by changing the saturation by 10% instead.


 37.8712, 0.2976,
0.5860


 37.8712, 0.2976,
0.5860


337.0671, 0.3169,
0.4438

 25.8827, 0.2876,
0.6232


 71.9107, 0.3082,
0.5323


 16.7359, 0.2713,
0.6700


 94.7305, 0.3111,
0.5126

 10.0464, 0.2475,
0.7383


 121.9295, 0.3130,
0.4962

 5.4297, 0.1993,
0.8007

 153.8922, 0.3144,
0.4823

 2.5015, 0.0812,
0.9188

 191.0029, 0.3154,
0.4706

 0.8774, 0.0000,
1.0000

 233.6460, 0.3160,

 0.0000, 0.0000,

0.4604

0.0000

282.2060, 0.3165,
0.4516

■ 37.8712, 0.2976,
0.5860

■ 37.8712, 0.2976,
0.5860

■ 37.7511, 0.2981,
0.5932

■ 38.2006, 0.2968,
0.5687

■ 38.7609, 0.2967,
0.5446

■ 39.5869, 0.2975,
0.5154

■ 40.7065, 0.2990,
0.4833

■ 42.1438, 0.3011,
0.4504

■ 43.9208, 0.3036,
0.4184

■ 46.0572, 0.3063,
0.3886

■ 48.5713, 0.3090,
0.3615

■ 51.4802, 0.3117,
0.3375

Harmonies

Analogous

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



37.8712, 0.4128, 0.5518



37.8712, 0.2976, 0.5860



37.8712, 0.1914, 0.4772

Triad

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



37.8712, 0.2976, 0.5860



37.8712, 0.1237, 0.1546



37.8712, 0.5376, 0.2936

Complementary

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



37.8712, 0.2976, 0.5860



14.5127, 0.3462, 0.1704

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.



37.8712, 0.4156, 0.2239



37.8712, 0.2976, 0.5860



37.8712, 0.1762, 0.1485

Square

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



37.8712, 0.2976, 0.5860



37.8712, 0.1073, 0.1998



37.8712, 0.2752, 0.1724



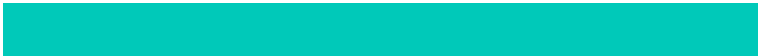
37.8712, 0.5693, 0.3710

Rectangle

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



37.8712, 0.2976, 0.5860



37.8712, 0.1422, 0.3601



37.8712, 0.2752, 0.1724



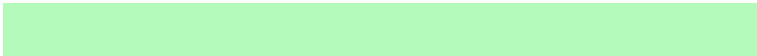
37.8712, 0.5045, 0.2693

Sweetspot

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



37.8728, 0.2976, 0.5860



81.5916, 0.3050, 0.4019



46.7254, 0.4017, 0.5161



17.1536, 0.3039, 0.4151



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.



37.8728, 0.2976, 0.5860



68.3804, 0.2985, 0.5944



39.1330, 0.2614, 0.4570



11.2750, 0.3102, 0.3503



25.4057, 0.2978, 0.5920



1.1034, 0.2906, 0.5661

Inverse Universe

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



14.5127, 0.3462, 0.1704



25.7225, 0.3487, 0.1694



12.1027, 0.5211, 0.2688



10.2294, 0.3153, 0.3086



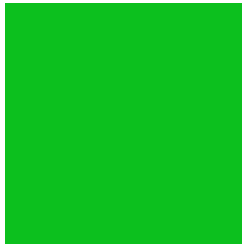
9.5671, 0.3478, 0.1690



0.4185, 0.3411, 0.1653

Previews

White Background



This preview shows how the Yxy color 37.8712, 0.2976, 0.5860 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 37.8712, 0.2976, 0.5860 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 37.8712, 0.2976, 0.5860

Background



This preview shows how black text looks on a background with the Yxy color 37.8712, 0.2976, 0.5860.



This preview shows how white text looks on a background with the Yxy color 37.8712, 0.2976, 0.5860.

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

37.8712, 0.2976, 0.5860

Protanopia

37.2825, 0.4360, 0.4837

Deuteranopia

37.1290, 0.4556, 0.4461



Tritanopia

37.8398, 0.2365, 0.3071

Trichromacy



Original Color

37.8712, 0.2976, 0.5860



Protanomaly

34.8677, 0.3631, 0.5380



Deuteranomaly

33.7012, 0.3740, 0.5121



Tritanomaly

36.8430, 0.2611, 0.4169

Monochromacy



Original Color

37.8712, 0.2976, 0.5860



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

22.9952, 0.3016, 0.4506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8712, 0.2976, 0.5860 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(12, 192, 30)  
}
```

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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 192, 30) }
```

Border

The CSS property to change the border of an element to Yxy 37.8712, 0.2976, 0.5860 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, 30) }
```

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

```
.border{ border-color:rgb(12, 192, 30) }
```

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, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 192, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 192, 30);  
box-shadow:4px 4px 4px 4px rgb(12, 192,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8712, 0.2976, 0.5860 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, 30) }
```

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

```
.background{ background-color: rgb(12, 192,  
30) }
```

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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