

Converting Colors

$Y_{xy}(37.9827, 0.2991, 0.5791)$

Have a look what the booklet for
Yxy(37.9827, 0.2991, 0.5791)
contains.

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Color

Yxy(38.0879, 0.2993, 0.5793)

Conversions

Conversions Part 1

Format	Color
Hex	1DC024
RGB	29, 192, 36
RGB Percent	11%, 75%, 14%
CMY	0.8855, 0.2471, 0.8589
CMYK	0.85, 0.00, 0.81, 0.25
HSL	123°, 74%, 43%
HSV	123°, 85%, 75%
XYZ	19.6784, 38.0879, 7.9818
YIQ	125.4790, -47.0720, -83.0720

Conversions

Conversions Part 2

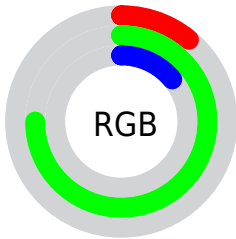
Format	Color
RYB	29, 185, 192
Decimal	1949732
CIELab	68.09, -66.64, 61.27
CIElCh	68, 90.530, 137.405
Yxy	38.0879, 0.2993, 0.5793
Android (android.graphics.Color)	4280139812 (0xFF1DC024)
YUV	125.4790, -44.1131, -84.6121
Hunter-Lab	61.7154, -51.0859, 35.5326

Details

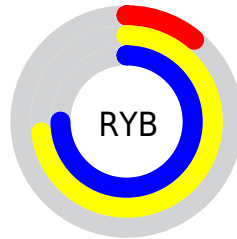
The Yxy color **38.0879, 0.2993, 0.5793** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **15.6052, 0.3295, 0.1661**, and the grayscale version is **20.8611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3856, 0.3089, 0.5269**, and **17.8913, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.8050, 0.2994, 0.5932**, and if you desaturate by 10%, it is **38.6060, 0.2997, 0.5574**.

Distribution



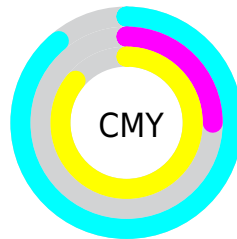
- Red (11%)
- Green (75%)
- Blue (14%)



- Red (11%)
- Yellow (73%)
- Blue (75%)



- Cyan (85%)
- Magenta (0%)
- Yellow (81%)
- Black (25%)





- Cyan (89%)
- Magenta (25%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.0879, 0.2993, 0.5793 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 38.0879, 0.2993, 0.5793 by changing the saturation by 10% instead.

 38.0879, 0.2993,
0.5793


 38.0879, 0.2993,
0.5793


337.9969, 0.3171,
0.4409

 26.0509, 0.2899,
0.6156


 72.2428, 0.3092,
0.5269


 16.8617, 0.2747,
0.6616


 95.1296, 0.3118,
0.5078

 10.1360, 0.2515,
0.7265


 122.4017, 0.3136,
0.4918

 5.4892, 0.2065,
0.7935

 154.4436, 0.3148,
0.4784

 2.5371, 0.0981,
0.9019

 191.6397, 0.3157,
0.4669

 0.8951, 0.0000,
1.0000

 234.3743, 0.3163,

 0.0000, 0.0000,

0.4570

0.0000

283.0319, 0.3168,
0.4485

■ 38.0879, 0.2993,
0.5793

■ 38.0879, 0.2993,
0.5793

■ 37.8050, 0.2994,
0.5932

■ 38.6060, 0.2997,
0.5574

■ 37.7158, 0.2993,
0.5975


■ 39.3905, 0.3008,
0.5289


■ 40.4726, 0.3022,
0.4961

■ 41.8781, 0.3040,
0.4616

■ 43.6300, 0.3060,
0.4275

 45.7492, 0.3080,
0.3955

 48.2549, 0.3100,
0.3663

 51.1650, 0.3119,
0.3403

 54.4963, 0.3136,
0.3176

Harmonies

Analogous

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



38.0879, 0.4126, 0.5480



38.0879, 0.2993, 0.5793



38.0879, 0.1945, 0.4733

Triad

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



38.0879, 0.2993, 0.5793



38.0879, 0.1267, 0.1577



38.0879, 0.5324, 0.2949

Complementary

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



38.0879, 0.2993, 0.5793



15.6052, 0.3295, 0.1661

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.



38.0879, 0.4132, 0.2260



38.0879, 0.2993, 0.5793



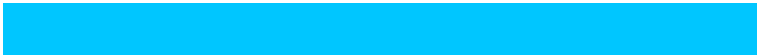
38.0879, 0.1786, 0.1514

Square

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



38.0879, 0.2993, 0.5793



38.0879, 0.1106, 0.2028



38.0879, 0.2761, 0.1751



38.0879, 0.5645, 0.3717

Rectangle

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



38.0879, 0.2993, 0.5793



38.0879, 0.1457, 0.3600



38.0879, 0.2761, 0.1751



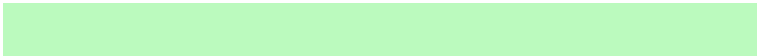
38.0879, 0.4999, 0.2708

Sweetspot

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



38.0895, 0.2993, 0.5793



82.6468, 0.3079, 0.3973



48.2986, 0.4103, 0.5022



17.4250, 0.3072, 0.4085



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.



38.0895, 0.2993, 0.5793



68.3320, 0.2995, 0.5982



39.2236, 0.2660, 0.4634



11.2655, 0.3110, 0.3518



25.3823, 0.2991, 0.5969



1.0991, 0.2960, 0.5855

Inverse Universe

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



15.6052, 0.3295, 0.1661



26.5650, 0.3318, 0.1602



13.1174, 0.4713, 0.2499



10.2400, 0.3144, 0.3072



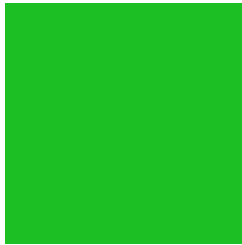
9.8719, 0.3315, 0.1600



0.4288, 0.3290, 0.1586

Previews

White Background



This preview shows how the Yxy color 38.0879, 0.2993, 0.5793 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 38.0879, 0.2993, 0.5793 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 38.0879, 0.2993, 0.5793

Background



This preview shows how black text looks on a background with the Yxy color 38.0879, 0.2993, 0.5793.



This preview shows how white text looks on a background with the Yxy color 38.0879, 0.2993, 0.5793.

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

38.0879, 0.2993, 0.5793

Protanopia

37.3133, 0.4342, 0.4809

Deuteranopia

37.1651, 0.4534, 0.4433



Tritanopia

37.9753, 0.2379, 0.3072

Trichromacy



Original Color

38.0879, 0.2993, 0.5793



Protanomaly

35.3534, 0.3670, 0.5297



Deuteranomaly

34.3320, 0.3795, 0.5038



Tritanomaly

37.1485, 0.2631, 0.4125

Monochromacy



Original Color

38.0879, 0.2993, 0.5793



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.8272, 0.3056, 0.4413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0879, 0.2993, 0.5793 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(29, 192, 36)` looks like.

```
.text, #text, p{  
    color:rgb(29, 192, 36)  
}
```

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(29, 192, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 192, 36) }
```

Border

The CSS property to change the border of an element to Yxy 38.0879, 0.2993, 0.5793 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(29, 192, 36) }
```

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

```
.border{ border-color:rgb(29, 192, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 192, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 192, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 192, 36);  
box-shadow:4px 4px 4px 4px rgb(29, 192,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0879, 0.2993, 0.5793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 192, 36) }
```

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

```
.background{ background-color: rgb(29, 192,  
36) }
```

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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