

Converting Colors

$Yxy(38.1867, 0.2998, 0.5893)$

Have a look what the booklet for
Yxy(38.1867, 0.2998, 0.5893)
contains.

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Color

Yxy(38.3443, 0.2997, 0.5891)

Conversions

Conversions Part 1

Format	Color
Hex	13C118
RGB	19, 193, 24
RGB Percent	7%, 76%, 9%
CMY	0.9244, 0.2431, 0.9058
CMYK	0.90, 0.00, 0.88, 0.24
HSL	122°, 82%, 42%
HSV	122°, 90%, 76%
XYZ	19.5074, 38.3443, 7.2380
YIQ	121.7080, -49.4550, -89.4470

Conversions

Conversions Part 2

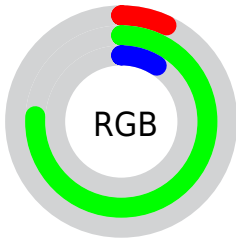
Format	Color
RYB	19, 188, 193
Decimal	1294616
CIELab	68.27, -68.32, 64.28
CIELCh	68, 93.803, 136.743
Yxy	38.3443, 0.2997, 0.5891
Android (android.graphics.Color)	4279484696 (0xFF13C118)
YUV	121.7080, -48.1700, -90.0749
Hunter-Lab	61.9228, -52.1325, 36.4157

Details

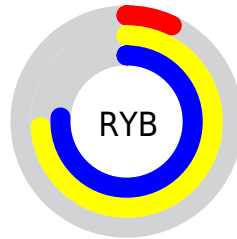
The Yxy color **38.3443, 0.2997, 0.5891** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **15.4530, 0.3270, 0.1613**, and the grayscale version is **19.5618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7631, 0.3103, 0.5350**, and **18.1770, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **38.1503, 0.2995, 0.5984**, and if you desaturate by 10%, it is **38.7345, 0.3001, 0.5719**.

Distribution



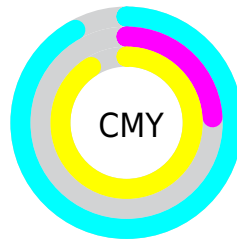
- Red (7%)
- Green (76%)
- Blue (9%)



- Red (7%)
- Yellow (74%)
- Blue (76%)



- Cyan (90%)
- Magenta (0%)
- Yellow (88%)
- Black (24%)





- Cyan (92%)
- Magenta (24%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3443, 0.2997, 0.5891 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 38.3443, 0.2997, 0.5891 by changing the saturation by 10% instead.


 38.3443, 0.2997,
0.5891


 38.3443, 0.2997,
0.5891


339.0946, 0.3184,
0.4459

 26.2500, 0.2897,
0.6261


 72.6356, 0.3102,
0.5352


 17.0108, 0.2733,
0.6724


 95.6013, 0.3130,
0.5154


 10.2422, 0.2500,
0.7413


 122.9597, 0.3149,
0.4988

 5.5598, 0.2010,
0.7990

 155.0951, 0.3162,
0.4849

 2.5793, 0.0900,
0.9100

 192.3919, 0.3170,
0.4729

 0.9163, 0.0000,
1.0000

 235.2345, 0.3177,

 0.0000, 0.0000,

0.4627

0.0000

284.0073, 0.3181,
0.4537

■ 38.3443, 0.2997,
0.5891

■ 38.3443, 0.2997,
0.5891

■ 38.1503, 0.2995,
0.5984

■ 38.7345, 0.3001,
0.5719

■ 39.3773, 0.3009,
0.5469

■ 40.3075, 0.3022,
0.5161

■ 41.5537, 0.3039,
0.4819

■ 43.1407, 0.3057,
0.4470

■ 45.0910, 0.3076,
0.4132

■ 47.4252, 0.3094,
0.3819

■ 50.1623, 0.3111,
0.3538

■ 53.3200, 0.3127,
0.3290

Harmonies

Analogous

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



38.3443, 0.4154, 0.5512



38.3443, 0.2997, 0.5891



38.3443, 0.1925, 0.4826

Triad

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



38.3443, 0.2997, 0.5891



38.3443, 0.1219, 0.1540



38.3443, 0.5374, 0.2914

Complementary

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



38.3443, 0.2997, 0.5891



15.4530, 0.3270, 0.1613

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.



38.3443, 0.4130, 0.2217



38.3443, 0.2997, 0.5891



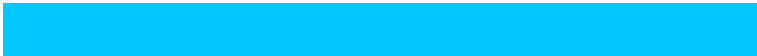
38.3443, 0.1735, 0.1472

Square

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



38.3443, 0.2997, 0.5891



38.3443, 0.1062, 0.2004



38.3443, 0.2719, 0.1706



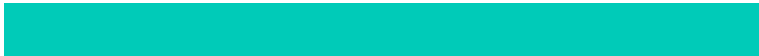
38.3443, 0.5715, 0.3688

Rectangle

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



38.3443, 0.2997, 0.5891



38.3443, 0.1423, 0.3641



38.3443, 0.2719, 0.1706



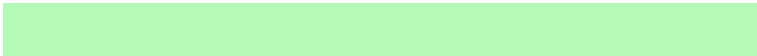
38.3443, 0.5034, 0.2670

Sweetspot

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



38.3459, 0.2997, 0.5891



81.7785, 0.3080, 0.4048



49.1469, 0.4145, 0.5037



17.2572, 0.3074, 0.4160



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.



38.3459, 0.2997, 0.5891



68.3241, 0.2997, 0.5988



39.3845, 0.2683, 0.4780



11.2632, 0.3112, 0.3521



25.3772, 0.2994, 0.5980



1.0980, 0.2973, 0.5904

Inverse Universe

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



15.4530, 0.3270, 0.1613



26.7798, 0.3280, 0.1581



12.7959, 0.4790, 0.2482



10.2426, 0.3142, 0.3069



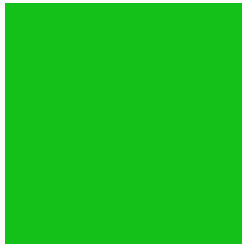
9.9495, 0.3278, 0.1579



0.4314, 0.3261, 0.1570

Previews

White Background



This preview shows how the Yxy color 38.3443, 0.2997, 0.5891 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 38.3443, 0.2997, 0.5891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

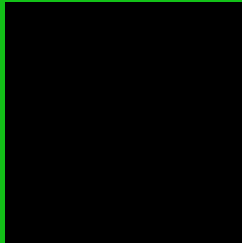
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.3443, 0.2997, 0.5891

Background



This preview shows how black text looks on a background with the Yxy color 38.3443, 0.2997, 0.5891.



This preview shows how white text looks on a background with the Yxy color 38.3443, 0.2997, 0.5891.

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

38.3443, 0.2997, 0.5891

Protanopia

37.3811, 0.4387, 0.4854

Deuteranopia

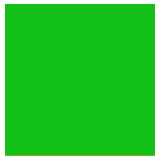
37.5846, 0.4570, 0.4484



Tritanopia

38.3314, 0.2368, 0.3073

Trichromacy



Original Color

38.3443, 0.2997, 0.5891



Protanomaly

35.0636, 0.3674, 0.5391



Deuteranomaly

34.3849, 0.3790, 0.5133



Tritanomaly

37.2937, 0.2637, 0.4218

Monochromacy



Original Color

38.3443, 0.2997, 0.5891



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

23.7830, 0.3059, 0.4543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3443, 0.2997, 0.5891 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(19, 193, 24)` looks like.

```
.text, #text, p{  
    color:rgb(19, 193, 24)  
}
```

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(19, 193, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 193, 24) }
```

Border

The CSS property to change the border of an element to Yxy 38.3443, 0.2997, 0.5891 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(19, 193, 24) }
```

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

```
.border{ border-color:rgb(19, 193, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 193, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 193, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 193, 24);  
box-shadow:4px 4px 4px 4px rgb(19, 193,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3443, 0.2997, 0.5891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 193, 24) }
```

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

```
.background{ background-color: rgb(19, 193,  
24) }
```

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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