

Converting Colors

Yxy(61.8866, 0.3004, 0.5789)

Have a look what the booklet for
Yxy(61.8866, 0.3004, 0.5789)
contains.

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Color

Yxy(61.8898, 0.3004, 0.5786)

Conversions

Conversions Part 1

Format	Color
Hex	2CEE2F
RGB	44, 238, 47
RGB Percent	17%, 93%, 18%
CMY	0.8267, 0.0667, 0.8156
CMYK	0.81, 0.00, 0.80, 0.07
HSL	121°, 85%, 55%
HSV	121°, 81%, 93%
XYZ	32.1322, 61.8898, 12.9427
YIQ	158.2200, -54.3130, -100.5290

Conversions

Conversions Part 2

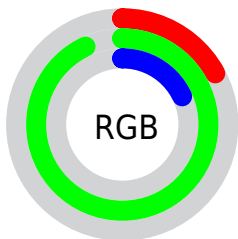
Format	Color
RYB	44, 235, 238
Decimal	2944559
CIELab	82.85, -77.78, 72.10
CIELCh	83, 106.062, 137.171
Yxy	61.8898, 0.3004, 0.5786
Android (android.graphics.Color)	4281134639 (0xFF2CEE2F)
YUV	158.2200, -54.8315, -100.1709
Hunter-Lab	78.6701, -64.7656, 45.3147

Details

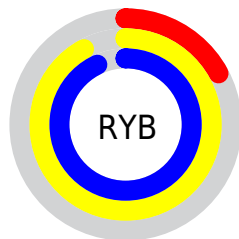
The Yxy color **61.8898, 0.3004, 0.5786** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **25.9987, 0.3235, 0.1643**, and the grayscale version is **34.5956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0597, 0.3120, 0.5102**, and **32.6425, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **61.3644, 0.3000, 0.5932**, and if you desaturate by 10%, it is **62.8239, 0.3013, 0.5555**.

Distribution



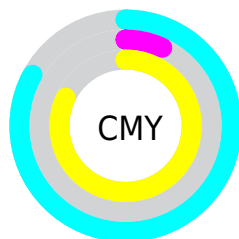
- Red (17%)
- Green (93%)
- Blue (18%)



- Red (17%)
- Yellow (92%)
- Blue (93%)



- Cyan (81%)
- Magenta (0%)
- Yellow (80%)
- Black (7%)





- Cyan (83%)
- Magenta (7%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.8898, 0.3004, 0.5786 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 61.8898, 0.3004, 0.5786 by changing the saturation by 10% instead.


 61.8898, 0.3004,
0.5786


 61.8898, 0.3004,
0.5786


431.5290, 0.3172,
0.4510

 44.9437, 0.2929,
0.6088


 107.5662, 0.3091,
0.5329

 31.4131, 0.2814,
0.6457


 137.0653, 0.3116,
0.5155


 20.9136, 0.2638,
0.6907


 171.5175, 0.3134,
0.5006

 13.0608, 0.2389,
0.7539

 211.3073, 0.3147,
0.4878

 7.4705, 0.1925,
0.8075

 256.8189, 0.3156,
0.4768

 3.7580, 0.1187,
0.8813

308.4368, 0.3163,

 1.5391, 0.0000,

0.4671

1.0000

366.5453, 0.3168,
0.4586

■ 0.3160, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.8898, 0.3004,
0.5786

■ 61.8898, 0.3004,
0.5786

■ 61.3644, 0.3000,
0.5932


■ 62.8239, 0.3013,
0.5555

■ 61.1552, 0.2998,
0.5993


■ 64.2182, 0.3026,
0.5254

■ 66.1248, 0.3042,
0.4912

■ 68.5869, 0.3060,
0.4554

 71.6431, 0.3077,
0.4204

 75.3285, 0.3095,
0.3878

 79.6755, 0.3111,
0.3584

 84.7144, 0.3125,
0.3324

 89.6275, 0.3135,
0.3127

Harmonies

Analogous

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



61.8898, 0.4134, 0.5469



61.8898, 0.3004, 0.5786



61.8898, 0.1957, 0.4740

Triad

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



61.8898, 0.3004, 0.5786



61.8898, 0.1268, 0.1583



61.8898, 0.5310, 0.2946

Complementary

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



61.8898, 0.3004, 0.5786



25.9987, 0.3235, 0.1643

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.



61.8898, 0.4118, 0.2258



61.8898, 0.3004, 0.5786



61.8898, 0.1784, 0.1517

Square

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



61.8898, 0.3004, 0.5786



61.8898, 0.1110, 0.2037



61.8898, 0.2753, 0.1751



61.8898, 0.5639, 0.3712

Rectangle

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



61.8898, 0.3004, 0.5786



61.8898, 0.1466, 0.3612



61.8898, 0.2753, 0.1751



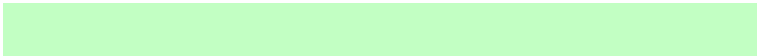
61.8898, 0.4985, 0.2705

Sweetspot

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



61.8924, 0.3004, 0.5786



86.8893, 0.3090, 0.3962



79.5074, 0.4142, 0.4968



18.2648, 0.3084, 0.4078



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.8924, 0.3004, 0.5786



71.5721, 0.2999, 0.5983



63.6127, 0.2686, 0.4690



17.6601, 0.3114, 0.3530



34.1209, 0.2997, 0.5991



2.8399, 0.2991, 0.5966

Inverse Universe

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



25.9987, 0.3235, 0.1643



28.3571, 0.3246, 0.1566



21.9171, 0.4543, 0.2430



16.0272, 0.3140, 0.3061



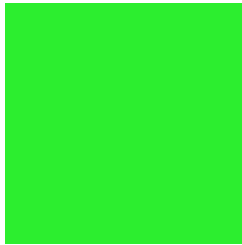
13.4735, 0.3246, 0.1562



1.1221, 0.3241, 0.1559

Previews

White Background



This preview shows how the Yxy color 61.8898, 0.3004, 0.5786 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 61.8898, 0.3004, 0.5786 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 61.8898, 0.3004, 0.5786

Background



This preview shows how black text looks on a background with the Yxy color 61.8898, 0.3004, 0.5786.



This preview shows how white text looks on a background with the Yxy color 61.8898, 0.3004, 0.5786.

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

61.8898, 0.3004, 0.5786

Protanopia

60.6256, 0.4347, 0.4808

Deuteranopia

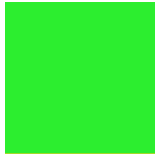
60.2985, 0.4524, 0.4423



Tritanopia

61.5980, 0.2375, 0.3062

Trichromacy



Original Color

61.8898, 0.3004, 0.5786



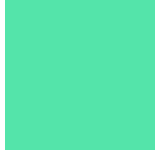
Protanomaly

57.4672, 0.3692, 0.5289



Deuteranomaly

55.9060, 0.3798, 0.5023



Tritanomaly

60.2739, 0.2638, 0.4113

Monochromacy



Original Color

61.8898, 0.3004, 0.5786



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

40.6306, 0.3068, 0.4393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.8898, 0.3004, 0.5786 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(44, 238, 47)` looks like.

```
.text, #text, p{  
    color:rgb(44, 238, 47)  
}
```

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(44, 238, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 238, 47) }
```

Border

The CSS property to change the border of an element to Yxy 61.8898, 0.3004, 0.5786 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(44, 238, 47) }
```

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

```
.border{ border-color:rgb(44, 238, 47) }
```

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

Here you see how a box with a 4 pixel rgb(44, 238, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 238, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 238, 47);  
box-shadow:4px 4px 4px 4px rgb(44, 238,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 61.8898, 0.3004, 0.5786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 238, 47) }
```

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

```
.background{ background-color: rgb(44, 238,  
47) }
```

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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