

Converting Colors

$Yxy(45.8382, 0.2978, 0.5852)$

Have a look what the booklet for
Yxy(45.8382, 0.2978, 0.5852)
contains.

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Color

Yxy(45.8356, 0.2979, 0.5855)

Conversions

Conversions Part 1

Format	Color
Hex	11D122
RGB	17, 209, 34
RGB Percent	7%, 82%, 13%
CMY	0.9330, 0.1804, 0.8668
CMYK	0.92, 0.00, 0.84, 0.18
HSL	125°, 85%, 44%
HSV	125°, 92%, 82%
XYZ	23.3210, 45.8356, 9.1280
YIQ	131.6420, -58.2570, -95.1290

Conversions

Conversions Part 2

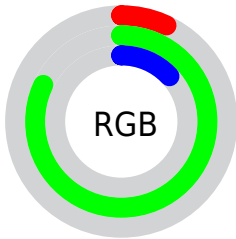
Format	Color
RYB	17, 193, 209
Decimal	1167650
CIELab	73.44, -72.49, 66.67
CIELCh	73, 98.490, 137.394
Yxy	45.8356, 0.2979, 0.5855
Android (android.graphics.Color)	4279357730 (0xFF11D122)
YUV	131.6420, -48.1375, -100.5410
Hunter-Lab	67.7020, -56.9915, 39.3976

Details

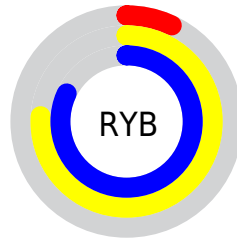
The Yxy color **45.8356, 0.2979, 0.5855** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **17.7705, 0.3422, 0.1688**, and the grayscale version is **23.1397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6157, 0.3087, 0.5283**, and **22.7825, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **45.6472, 0.2985, 0.5947**, and if you desaturate by 10%, it is **46.2713, 0.2973, 0.5675**.

Distribution



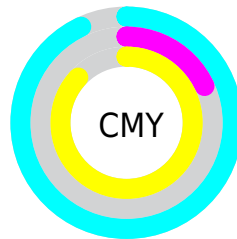
- Red (7%)
- Green (82%)
- Blue (13%)



- Red (7%)
- Yellow (76%)
- Blue (82%)



- Cyan (92%)
- Magenta (0%)
- Yellow (84%)
- Black (18%)




- Cyan (93%)
- Magenta (18%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8356, 0.2979, 0.5855 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 45.8356, 0.2979, 0.5855 by changing the saturation by 10% instead.

 45.8356, 0.2979,
0.5855


 45.8356, 0.2979,
0.5855


370.1473, 0.3168,
0.4478

 32.1161, 0.2887,
0.6201


 83.9729, 0.3080,
0.5346


 21.4502, 0.2742,
0.6630


 109.1595, 0.3108,
0.5156


 13.4535, 0.2515,
0.7178


 138.9373, 0.3128,
0.4996

 7.7416, 0.2145,
0.7855

 173.6906, 0.3142,
0.4861

 3.9300, 0.1506,
0.8494

 213.8039, 0.3152,
0.4744

 1.6345, 0.0000,
1.0000


 259.6615, 0.3159,


 0.3807, 0.0000,


0.4644


1.0000


311.6478, 0.3164,
0.4556


 0.0000, 0.0000,
0.0000


 45.8356, 0.2979,
0.5855


 45.8356, 0.2979,
0.5855


 45.6472, 0.2985,
0.5947

 46.2713, 0.2973,
0.5675

 46.9976, 0.2975,
0.5425

 48.0563, 0.2984,
0.5125

 49.4813, 0.3001,
0.4796

 51.3020, 0.3022,
0.4462

■ 53.5450, 0.3046,
0.4139

■ 56.2345, 0.3072,
0.3839

■ 59.3929, 0.3098,
0.3569

■ 63.0411, 0.3123,
0.3330

Harmonies

Analogous

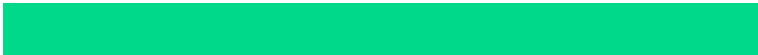
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.8356, 0.4129, 0.5513



45.8356, 0.2979, 0.5855



45.8356, 0.1918, 0.4771

Triad

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



45.8356, 0.2979, 0.5855



45.8356, 0.1239, 0.1549



45.8356, 0.5370, 0.2936

Complementary

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



45.8356, 0.2979, 0.5855



17.7705, 0.3422, 0.1688

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.



45.8356, 0.4152, 0.2240



45.8356, 0.2979, 0.5855



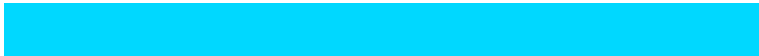
45.8356, 0.1763, 0.1487

Square

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



45.8356, 0.2979, 0.5855



45.8356, 0.1076, 0.2001



45.8356, 0.2751, 0.1726



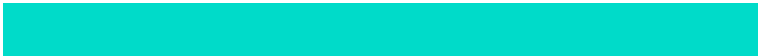
45.8356, 0.5690, 0.3709

Rectangle

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



45.8356, 0.2979, 0.5855



45.8356, 0.1425, 0.3603



45.8356, 0.2751, 0.1726



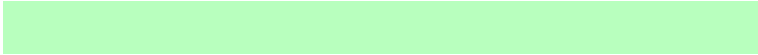
45.8356, 0.5040, 0.2693

Sweetspot

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



45.8375, 0.2979, 0.5855



85.3735, 0.3055, 0.4031



56.9817, 0.4043, 0.5131



17.9039, 0.3044, 0.4166



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.



45.8375, 0.2979, 0.5855



71.5796, 0.2988, 0.5955



47.3082, 0.2626, 0.4602



13.2229, 0.3104, 0.3509



28.1501, 0.2982, 0.5936



1.5799, 0.2929, 0.5743

Inverse Universe

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



17.7705, 0.3422, 0.1688



27.1188, 0.3448, 0.1673



14.8233, 0.5103, 0.2640



11.9904, 0.3151, 0.3081



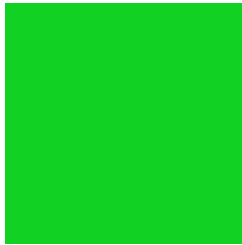
10.6742, 0.3442, 0.1670



0.6022, 0.3394, 0.1643

Previews

White Background



This preview shows how the Yxy color 45.8356, 0.2979, 0.5855 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 45.8356, 0.2979, 0.5855 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 45.8356, 0.2979, 0.5855

Background



This preview shows how black text looks on a background with the Yxy color 45.8356, 0.2979, 0.5855.



This preview shows how white text looks on a background with the Yxy color 45.8356, 0.2979, 0.5855.

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

45.8356, 0.2979, 0.5855

Protanopia

44.7279, 0.4364, 0.4834

Deuteranopia

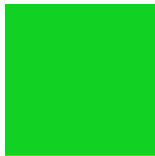
44.8726, 0.4556, 0.4463



Tritanopia

45.7581, 0.2362, 0.3073

Trichromacy



Original Color

45.8356, 0.2979, 0.5855



Protanomaly

41.9791, 0.3642, 0.5373



Deuteranomaly

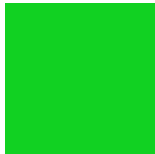
40.8758, 0.3760, 0.5115



Tritanomaly

44.4080, 0.2612, 0.4168

Monochromacy



Original Color

45.8356, 0.2979, 0.5855



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

28.1598, 0.3021, 0.4501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8356, 0.2979, 0.5855 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(17, 209, 34)` looks like.

```
.text, #text, p{  
    color:rgb(17, 209, 34)  
}
```

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(17, 209, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 209, 34) }
```

Border

The CSS property to change the border of an element to Yxy 45.8356, 0.2979, 0.5855 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(17, 209, 34) }
```

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

```
.border{ border-color:rgb(17, 209, 34) }
```

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

Here you see how a box with a 4 pixel rgb(17, 209, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 209, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 209, 34);  
box-shadow:4px 4px 4px 4px rgb(17, 209,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8356, 0.2979, 0.5855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 209, 34) }
```

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

```
.background{ background-color: rgb(17, 209,  
34) }
```

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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