

Converting Colors

Yxy(56.1786, 0.3001, 0.5860)

Have a look what the booklet for
Yxy(56.1786, 0.3001, 0.5860)
contains.

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Color

Yxy(55.9152, 0.3001, 0.5859)

Conversions

Conversions Part 1

Format	Color
Hex	20E423
RGB	32, 228, 35
RGB Percent	13%, 89%, 14%
CMY	0.8751, 0.1059, 0.8624
CMYK	0.86, 0.00, 0.85, 0.11
HSL	121°, 78%, 51%
HSV	121°, 86%, 89%
XYZ	28.6400, 55.9152, 10.8796
YIQ	147.3940, -54.8630, -101.5750

Conversions

Conversions Part 2

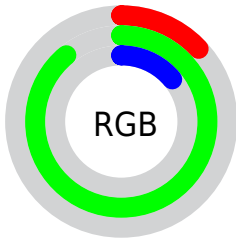
Format	Color
R_{YB}	32, 225, 228
Decimal	2155555
CIE Lab	79.57, -76.71, 71.96
CIE LCh	80, 105.182, 136.830
Yxy	55.9152, 0.3001, 0.5859
Android (android.graphics.Color)	4280345635 (0xFF20E423)
YUV	147.3940, -55.4102, -101.2005
Hunter-Lab	74.7765, -62.4920, 43.7172




Details

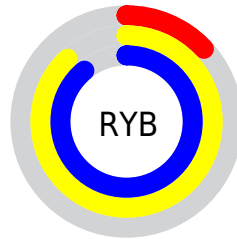
The Yxy color **55.9152, 0.3001, 0.5859** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **22.9439, 0.3242, 0.1615**, and the grayscale version is **29.5875, 0.3127, 0.3290**.




A 20% lighter version of the original color is **76.3620, 0.3119, 0.5215**, and **29.1258, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **55.5775, 0.2999, 0.5968**, and if you desaturate by 10%, it is **56.5939, 0.3008, 0.5664**.

Distribution







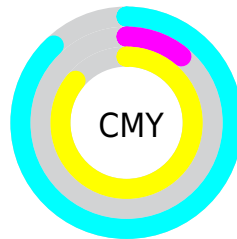
-  Red (13%)
-  Green (89%)
-  Blue (14%)






-  Red (13%)
-  Yellow (88%)
-  Blue (89%)



-  Cyan (86%)
-  Magenta (0%)
-  Yellow (85%)
-  Black (11%)





-  Cyan (88%)
-  Magenta (11%)
-  Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9152, 0.3001, 0.5859 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 55.9152, 0.3001, 0.5859 by changing the saturation by 10% instead.


 55.9152, 0.3001,
0.5859

 55.9152, 0.3001,
0.5859


409.3718, 0.3179,
0.4526


 40.1349, 0.2917,
0.6178


 98.8806, 0.3095,
0.5378

 27.6438, 0.2789,
0.6569


 126.8345, 0.3122,
0.5195


 18.0573, 0.2589,
0.7043


 159.6151, 0.3141,
0.5040

 10.9911, 0.2299,
0.7701

 197.6067, 0.3154,
0.4907

 6.0609, 0.1770,
0.8230

 241.1938, 0.3164,
0.4792

 2.8821, 0.0606,
0.9394

 290.7608, 0.3171,


 1.0705, 0.0000,


0.4692


1.0000


346.6920, 0.3176,
0.4604


 0.0000, 0.0000,
0.0000


 55.9152, 0.3001,
0.5859


 55.9152, 0.3001,
0.5859


 55.5775, 0.2999,
0.5968


 56.5939, 0.3008,
0.5664

 55.4992, 0.2998,
0.5992

 57.6659, 0.3019,
0.5391

 59.1813, 0.3033,
0.5065

 61.1812, 0.3051,
0.4712

 63.7019, 0.3069,
0.4358

■ 66.7765, 0.3086,
0.4021

■ 70.4351, 0.3103,
0.3713

■ 74.7058, 0.3119,
0.3439

■ 79.6147, 0.3132,
0.3199

Harmonies

Analogous

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



55.9152, 0.4150, 0.5498



55.9152, 0.3001, 0.5859



55.9152, 0.1936, 0.4802

Triad

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



55.9152, 0.3001, 0.5859



55.9152, 0.1234, 0.1554



55.9152, 0.5353, 0.2923

Complementary

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



55.9152, 0.3001, 0.5859



22.9439, 0.3242, 0.1615

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.



55.9152, 0.4124, 0.2229



55.9152, 0.3001, 0.5859



55.9152, 0.1749, 0.1486

Square

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



55.9152, 0.3001, 0.5859



55.9152, 0.1077, 0.2015



55.9152, 0.2728, 0.1719



55.9152, 0.5692, 0.3694

Rectangle

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



55.9152, 0.3001, 0.5859



55.9152, 0.1437, 0.3634



55.9152, 0.2728, 0.1719



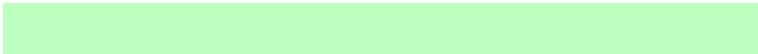
55.9152, 0.5017, 0.2680

Sweetspot

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



55.9175, 0.3001, 0.5859



86.0092, 0.3086, 0.4025



72.0896, 0.4161, 0.4999



18.0967, 0.3080, 0.4140



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.



55.9175, 0.3001, 0.5859



71.5292, 0.2998, 0.5993



57.4055, 0.2691, 0.4774



16.0930, 0.3114, 0.3529



32.0466, 0.2997, 0.5989



2.3695, 0.2988, 0.5958

Inverse Universe

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



22.9439, 0.3242, 0.1615



28.2117, 0.3252, 0.1565



19.1301, 0.4653, 0.2436



14.6109, 0.3141, 0.3062



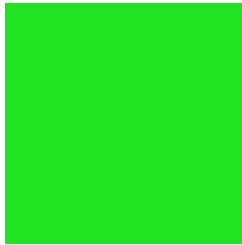
12.6411, 0.3251, 0.1564



0.9355, 0.3244, 0.1561

Previews

White Background



This preview shows how the Yxy color 55.9152, 0.3001, 0.5859 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 55.9152, 0.3001, 0.5859 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 55.9152, 0.3001, 0.5859

Background



This preview shows how black text looks on a background with the Yxy color 55.9152, 0.3001, 0.5859.



This preview shows how white text looks on a background with the Yxy color 55.9152, 0.3001, 0.5859.

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

55.9152, 0.3001, 0.5859

Protanopia

54.7701, 0.4369, 0.4840

Deuteranopia

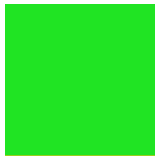
54.4262, 0.4576, 0.4464



Tritanopia

55.3968, 0.2369, 0.3064

Trichromacy



Original Color

55.9152, 0.3001, 0.5859



Protanomaly

51.8759, 0.3687, 0.5354



Deuteranomaly

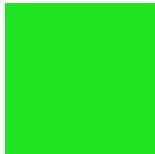
50.2191, 0.3802, 0.5106



Tritanomaly

54.1073, 0.2642, 0.4186

Monochromacy



Original Color

55.9152, 0.3001, 0.5859



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

35.0945, 0.3063, 0.4488

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.9152, 0.3001, 0.5859 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(32, 228, 35)` looks like.

```
.text, #text, p{  
    color:rgb(32, 228, 35)  
}
```

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(32, 228, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 228, 35) }
```

Border

The CSS property to change the border of an element to Yxy 55.9152, 0.3001, 0.5859 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(32, 228, 35) }
```

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

```
.border{ border-color:rgb(32, 228, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 228, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 228, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 228, 35);  
box-shadow:4px 4px 4px 4px rgb(32, 228,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 55.9152, 0.3001, 0.5859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 228, 35) }
```

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

```
.background{ background-color: rgb(32, 228,  
35) }
```

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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