

Converting Colors

$Y_{xy}(79.1269, 0.3535, 0.5535)$

Have a look what the booklet for
Yxy(79.1269, 0.3535, 0.5535)
contains.

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Color

Yxy(79.1512, 0.3536, 0.5533)

Conversions

Conversions Part 1

Format	Color
Hex	A1FF15
RGB	161, 255, 21
RGB Percent	63%, 100%, 8%
CMY	0.3689, 0.0000, 0.9178
CMYK	0.37, 0.00, 0.92, 0.00
HSL	84°, 100%, 54%
HSV	84°, 92%, 100%
XYZ	50.5835, 79.1512, 13.3182
YIQ	200.2180, 19.0900, -92.7020

Conversions

Conversions Part 2

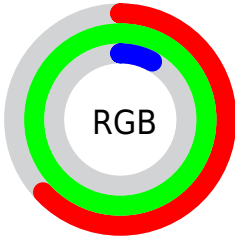
Format	Color
R _Y B	21, 255, 115
Decimal	10616597
CIE Lab	91.30, -57.32, 85.73
CIE LCh	91, 103.123, 123.769
Yxy	79.1512, 0.3536, 0.5533
Android (android.graphics.Color)	4288806677 (0xFFA1FF15)
YUV	200.2180, -88.3545, -34.3942
Hunter-Lab	88.9670, -54.2033, 53.4012

Details

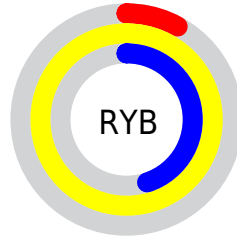
The Yxy color **79.1512, 0.3536, 0.5533** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **11.4016, 0.1920, 0.0862**, and the grayscale version is **58.4320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9504, 0.3759, 0.4852**, and **43.0975, 0.3370, 0.5706** is the 20% darker color. If you saturate the color by 10%, you get **78.2449, 0.3497, 0.5606**, and if you desaturate by 10%, it is **80.3998, 0.3567, 0.5401**.

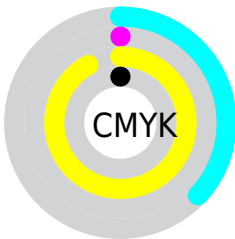
Distribution



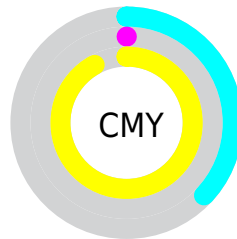
- Red (63%)
- Green (100%)
- Blue (8%)



- Red (8%)
- Yellow (100%)
- Blue (45%)



- Cyan (37%)
- Magenta (0%)
- Yellow (92%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.1512, 0.3536, 0.5533 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 79.1512, 0.3536, 0.5533 by changing the saturation by 10% instead.


 79.1512, 0.3536,
0.5533


 79.1512, 0.3536,
0.5533


492.0677, 0.3462,
0.4491


 59.0201, 0.3517,
0.5751


 132.1717, 0.3539,
0.5184

 42.6293, 0.3475,
0.6003


 165.8299, 0.3531,
0.5043

 29.5944, 0.3395,
0.6293


 204.7660, 0.3521,
0.4921

 19.5309, 0.3272,
0.6663

 249.3643, 0.3510,
0.4813

 12.0545, 0.3009,
0.6991

 300.0092, 0.3498,
0.4718

 6.7808, 0.2610,
0.7390


 357.0852, 0.3486,


 3.3254, 0.2021,


0.4634


0.7979


420.9765, 0.3474,
0.4559


 1.3039, 0.0000,
1.0000


 0.1442, 0.0000,
1.0000


 79.1512, 0.3536,
0.5533


 79.1512, 0.3536,
0.5533

 78.2449, 0.3497,
0.5606

 80.3998, 0.3567,
0.5401

 81.8638, 0.3574,
0.5217

 83.5569, 0.3557,
0.4987

 85.4963, 0.3517,
0.4722

87.6968, 0.3459,
0.4439

90.1722, 0.3388,
0.4148

92.9347, 0.3309,
0.3862

95.9961, 0.3226,
0.3589

99.3671, 0.3142,
0.3333

Harmonies

Analogous

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



79.1512, 0.4536, 0.4989



79.1512, 0.3536, 0.5533



79.1512, 0.2492, 0.5121

Triad

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



79.1512, 0.3536, 0.5533



79.1512, 0.1296, 0.1862



79.1512, 0.4681, 0.2695

Complementary

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



79.1512, 0.3536, 0.5533



11.4016, 0.1920, 0.0862

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.



79.1512, 0.3457, 0.2105



79.1512, 0.3536, 0.5533



79.1512, 0.1629, 0.1640

Square

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



79.1512, 0.3536, 0.5533



79.1512, 0.1297, 0.2525



79.1512, 0.2342, 0.1736



79.1512, 0.5383, 0.3400

Rectangle

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



79.1512, 0.3536, 0.5533



79.1512, 0.1906, 0.4253



79.1512, 0.2342, 0.1736



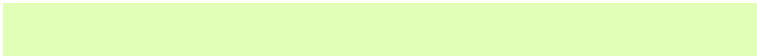
79.1512, 0.4298, 0.2480

Sweetspot

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



79.1445, 0.3536, 0.5533



91.1818, 0.3359, 0.4039



33.4795, 0.5544, 0.3911



19.2706, 0.3392, 0.4164



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.



79.1445, 0.3536, 0.5533



78.2449, 0.3497, 0.5606



72.1176, 0.3035, 0.5924



20.7053, 0.3207, 0.3529



40.9739, 0.3507, 0.5597



4.0532, 0.3584, 0.5537

Inverse Universe

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



11.4016, 0.1920, 0.0862



10.0734, 0.1829, 0.0781



24.8433, 0.2975, 0.1436



17.7340, 0.3042, 0.3049



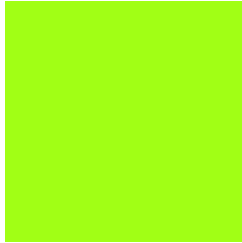
5.3448, 0.1845, 0.0790



0.5820, 0.1971, 0.0859

Previews

White Background



This preview shows how the Yxy color 79.1512, 0.3536, 0.5533 looks on a white background.

Color Contrast Check

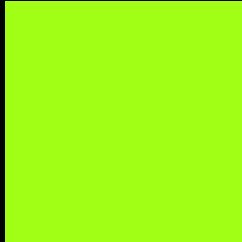
Large Text (above 18pt) WCAG AA × Fail

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 79.1512, 0.3536, 0.5533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

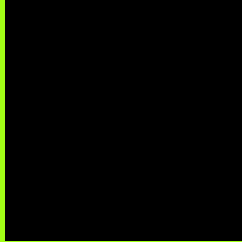
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

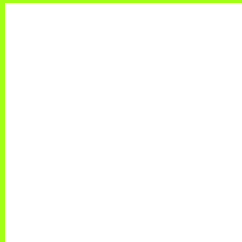
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.1512, 0.3536, 0.5533

Background



This preview shows how black text looks on a background with the Yxy color 79.1512, 0.3536, 0.5533.



This preview shows how white text looks on a background with the Yxy color 79.1512, 0.3536, 0.5533.

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

79.1512, 0.3536, 0.5533

Protanopia

77.9545, 0.4201, 0.4619

Deuteranopia

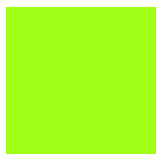
77.9487, 0.3643, 0.3720



Tritanopia

78.7355, 0.2734, 0.3094

Trichromacy



Original Color

79.1512, 0.3536, 0.5533



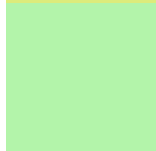
Protanomaly

76.8690, 0.3970, 0.4982



Deuteranomaly

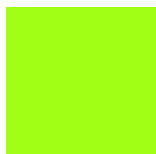
76.2189, 0.3724, 0.4498



Tritanomaly

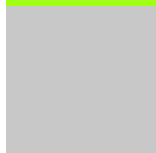
77.1874, 0.3142, 0.4167

Monochromacy



Original Color

79.1512, 0.3536, 0.5533



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

63.3748, 0.3437, 0.4338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.1512, 0.3536, 0.5533 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(161, 255, 21)` looks like.

```
.text, #text, p{  
    color:rgb(161, 255, 21)  
}
```

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(161, 255, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 255, 21) }
```

Border

The CSS property to change the border of an element to Yxy 79.1512, 0.3536, 0.5533 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(161, 255, 21) }
```

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

```
.border{ border-color:rgb(161, 255, 21) }
```

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

Here you see how a box with a 4 pixel rgb(161, 255, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 255, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 255, 21);  
box-shadow:4px 4px 4px 4px rgb(161, 255,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 79.1512, 0.3536, 0.5533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 255, 21) }
```

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

```
.background{ background-color: rgb(161,  
255, 21) }
```

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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