

Converting Colors

$Y_{xy}(100.0000, 0.3264, 0.5289)$

Have a look what the booklet for
Yxy(100.0000, 0.3264, 0.5289)
contains.

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Color

Yxy(79.3516, 0.3325, 0.5129)

Conversions

Conversions Part 1

Format	Color
Hex	9BFF61
RGB	155, 255, 97
RGB Percent	61%, 100%, 38%
CMY	0.3920, 0.0000, 0.6195
CMYK	0.39, 0.00, 0.62, 0.00
HSL	98°, 100%, 69%
HSV	98°, 62%, 100%
XYZ	51.4416, 79.3516, 23.9184
YIQ	207.0880, -8.8820, -70.3380

Conversions

Conversions Part 2

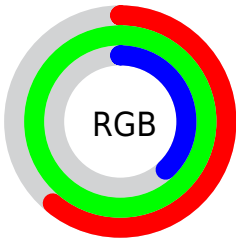
Format	Color
RYB	97, 255, 197
Decimal	10223457
CIELab	91.39, -55.43, 64.48
CIElCh	91, 85.035, 130.683
Yxy	79.3516, 0.3325, 0.5129
Android (android.graphics.Color)	4288413537 (0xFF9BFF61)
YUV	207.0880, -54.2734, -45.6812
Hunter-Lab	89.0795, -52.8090, 46.4359

Details

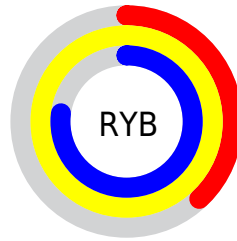
The Yxy color **79.3516, 0.3325, 0.5129** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **27.6407, 0.2659, 0.1621**, and the grayscale version is **62.8262, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1160, 0.3447, 0.4387**, and **42.5529, 0.3292, 0.5576** is the 20% darker color. If you saturate the color by 10%, you get **77.4615, 0.3313, 0.5398**, and if you desaturate by 10%, it is **81.6147, 0.3319, 0.4826**.

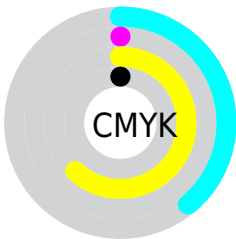
Distribution



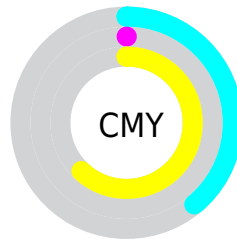
- Red (61%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (77%)



- Cyan (39%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)





- Cyan (39%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.3516, 0.3325, 0.5129 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 79.3516, 0.3325, 0.5129 by changing the saturation by 10% instead.


 79.3516, 0.3325,
0.5129


 79.3516, 0.3325,
0.5129


492.7450, 0.3296,
0.4244


 59.1849, 0.3313,
0.5331


 132.4537, 0.3329,
0.4820

 42.7620, 0.3288,
0.5576


 166.1580, 0.3327,
0.4700

 29.6984, 0.3239,
0.5878


 205.1436, 0.3323,
0.4597

 19.6098, 0.3148,
0.6252

 249.7948, 0.3318,
0.4508

 12.1117, 0.2993,
0.6740

300.4962, 0.3312,
0.4429

 6.8198, 0.2688,
0.7312


357.6321, 0.3307,


 3.3497, 0.2116,


0.4360


0.7884


421.5869, 0.3301,
0.4299


 1.3169, 0.0000,
1.0000


 0.1542, 0.0000,
1.0000


 79.3516, 0.3325,
0.5129

 79.3516, 0.3325,
0.5129


 77.4615, 0.3313,
0.5398


 81.6147, 0.3319,
0.4826

 75.9105, 0.3283,
0.5615


 84.2617, 0.3299,
0.4507


 74.6747, 0.3237,
0.5767

 87.3153, 0.3267,
0.4188

 73.8803, 0.3193,
0.5847

 90.7935, 0.3227,
0.3883

 94.7130, 0.3183,
0.3598

 99.0896, 0.3136,
0.3338

99.9990, 0.3127,
0.3290

Harmonies

Analogous

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



79.3516, 0.4206, 0.4910



79.3516, 0.3325, 0.5129



79.3516, 0.2439, 0.4543

Triad

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



79.3516, 0.3325, 0.5129



79.3516, 0.1577, 0.2002



79.3516, 0.4603, 0.2943

Complementary

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



79.3516, 0.3325, 0.5129



27.6407, 0.2659, 0.1621

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.



79.3516, 0.3656, 0.2381



79.3516, 0.3325, 0.5129



79.3516, 0.1954, 0.1859

Square

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



79.3516, 0.3325, 0.5129



79.3516, 0.1517, 0.2503



79.3516, 0.2667, 0.1999



79.3516, 0.5056, 0.3597

Rectangle

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



79.3516, 0.3325, 0.5129



79.3516, 0.1970, 0.3811



79.3516, 0.2667, 0.1999



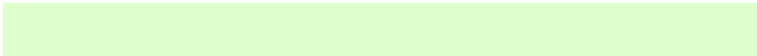
79.3516, 0.4322, 0.2742

Sweetspot

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



79.3550, 0.3325, 0.5129



91.9053, 0.3214, 0.3796



60.9031, 0.4377, 0.4246



19.4411, 0.3226, 0.3880



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.



79.3550, 0.3325, 0.5129



77.1179, 0.3309, 0.5447



75.3098, 0.2966, 0.5099



20.4929, 0.3171, 0.3532



38.6817, 0.3204, 0.5838



3.8257, 0.3291, 0.5769

Inverse Universe

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



27.6407, 0.2659, 0.1621



21.5528, 0.2537, 0.1361



35.9022, 0.3371, 0.1993



17.9474, 0.3079, 0.3051



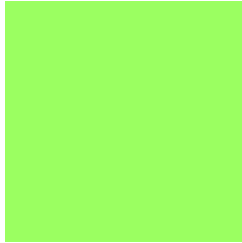
7.8383, 0.2303, 0.1042



0.8252, 0.2406, 0.1099

Previews

White Background



This preview shows how the Yxy color 79.3516, 0.3325, 0.5129 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 79.3516, 0.3325, 0.5129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

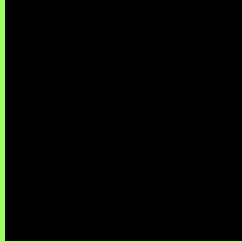
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

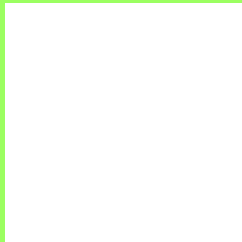
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.3516, 0.3325, 0.5129

Background



This preview shows how black text looks on a background with the Yxy color 79.3516, 0.3325, 0.5129.



This preview shows how white text looks on a background with the Yxy color 79.3516, 0.3325, 0.5129.

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

79.3516, 0.3325, 0.5129

Protanopia

78.0889, 0.4166, 0.4567

Deuteranopia

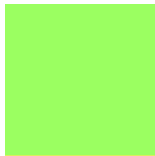
78.1165, 0.3615, 0.3678



Tritanopia

78.9339, 0.2718, 0.3105

Trichromacy



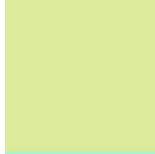
Original Color

79.3516, 0.3325, 0.5129



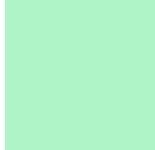
Protanomaly

77.0173, 0.3838, 0.4783



Deuteranomaly

76.8098, 0.3528, 0.4185



Tritanomaly

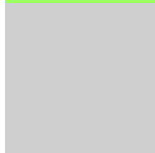
77.8925, 0.2961, 0.3829

Monochromacy



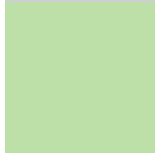
Original Color

79.3516, 0.3325, 0.5129



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.7927, 0.3241, 0.3982

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.3516, 0.3325, 0.5129 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(155, 255, 97)` looks like.

```
.text, #text, p{  
    color:rgb(155, 255, 97)  
}
```

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(155, 255, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 255, 97) }
```

Border

The CSS property to change the border of an element to Yxy 79.3516, 0.3325, 0.5129 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(155, 255, 97) }
```

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

```
.border{ border-color:rgb(155, 255, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 255, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 255, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 255, 97);  
box-shadow:4px 4px 4px 4px rgb(155, 255,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 79.3516, 0.3325, 0.5129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 255, 97) }
```

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

```
.background{ background-color: rgb(155,  
255, 97) }
```

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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