

Converting Colors

$Yxy(79.9601, 0.3361, 0.5108)$

Have a look what the booklet for
Yxy(79.9601, 0.3361, 0.5108)
contains.

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Color

Yxy(79.9601, 0.3361, 0.5108)

Conversions

Conversions Part 1

Format	Color
Hex	A1FF61
RGB	161, 255, 97
RGB Percent	63%, 100%, 38%
CMY	0.3687, 0.0000, 0.6197
CMYK	0.37, 0.00, 0.62, 0.00
HSL	96°, 100%, 69%
HSV	96°, 62%, 100%
XYZ	52.6127, 79.9601, 23.9661
YIQ	208.8820, -5.3060, -69.0660

Conversions

Conversions Part 2

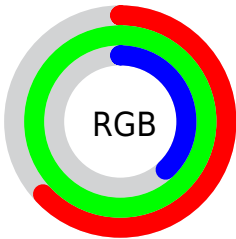
Format	Color
RYB	97, 255, 191
Decimal	10616673
CIELab	91.67, -53.54, 64.88
CIELCh	92, 84.118, 129.533
Yxy	79.9601, 0.3361, 0.5108
Android (android.graphics.Color)	4288806753 (0xFFA1FF61)
YUV	208.8820, -55.1578, -41.9925
Hunter-Lab	89.4204, -51.4608, 46.7036

Details

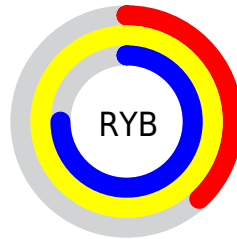
The Yxy color **79.9601, 0.3361, 0.5108** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **26.8441, 0.2606, 0.1597**, and the grayscale version is **64.0443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0356, 0.3488, 0.4372**, and **43.3465, 0.3330, 0.5550** is the 20% darker color. If you saturate the color by 10%, you get **78.0751, 0.3353, 0.5371**, and if you desaturate by 10%, it is **82.1857, 0.3351, 0.4810**.

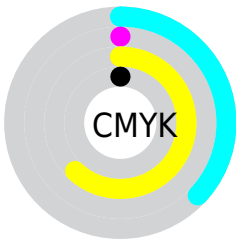
Distribution



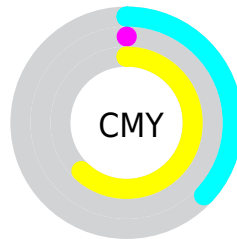
- Red (63%)
- Green (100%)
- Blue (38%)



- Red (38%)
- Yellow (100%)
- Blue (75%)



- Cyan (37%)
- Magenta (0%)
- Yellow (62%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.9601, 0.3361, 0.5108 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 79.9601, 0.3361, 0.5108 by changing the saturation by 10% instead.


 79.9601, 0.3361,
0.5108


 79.9601, 0.3361,
0.5108


494.7984, 0.3315,
0.4237

 59.6855, 0.3353,
0.5305


 133.3096, 0.3360,
0.4805


 43.1652, 0.3332,
0.5545


 167.1534, 0.3355,
0.4687

 30.0148, 0.3290,
0.5839


 206.2890, 0.3348,
0.4586

 19.8498, 0.3208,
0.6202

 251.1008, 0.3342,
0.4497

 12.2859, 0.3063,
0.6673

301.9732, 0.3335,
0.4420

 6.9387, 0.2776,
0.7224


359.2907, 0.3328,


 3.4238, 0.2225,


0.4352


0.7775


423.4376, 0.3321,
0.4291


 1.3568, 0.0000,
1.0000


 0.1845, 0.0000,
1.0000

 79.9601, 0.3361,
0.5108


 79.9601, 0.3361,
0.5108


 78.0751, 0.3353,
0.5371

 82.1857, 0.3351,
0.4810


 76.5138, 0.3325,
0.5584


 84.7769, 0.3324,
0.4497

 75.2489, 0.3279,
0.5735

 87.7498, 0.3286,
0.4183

 74.4200, 0.3234,
0.5815

 91.1211, 0.3240,
0.3881

 94.9064, 0.3190,
0.3597

 99.1202, 0.3138,
0.3338

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



79.9601, 0.4228, 0.4874



79.9601, 0.3361, 0.5108



79.9601, 0.2480, 0.4560

Triad

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



79.9601, 0.3361, 0.5108



79.9601, 0.1585, 0.2029



79.9601, 0.4554, 0.2925

Complementary

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



79.9601, 0.3361, 0.5108



26.8441, 0.2606, 0.1597

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.



79.9601, 0.3610, 0.2373



79.9601, 0.3361, 0.5108



79.9601, 0.1946, 0.1874

Square

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



79.9601, 0.3361, 0.5108



79.9601, 0.1538, 0.2542



79.9601, 0.2640, 0.2002



79.9601, 0.5027, 0.3572

Rectangle

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



79.9601, 0.3361, 0.5108



79.9601, 0.2008, 0.3848



79.9601, 0.2640, 0.2002



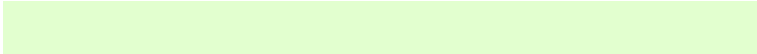
79.9601, 0.4272, 0.2727

Sweetspot

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



79.9584, 0.3361, 0.5108



92.1997, 0.3226, 0.3794



58.5877, 0.4415, 0.4197



19.5117, 0.3240, 0.3877



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.



79.9584, 0.3361, 0.5108



77.7321, 0.3349, 0.5419



75.1899, 0.2986, 0.5160



20.5272, 0.3177, 0.3531



38.9677, 0.3245, 0.5805



3.8559, 0.3333, 0.5736

Inverse Universe

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



26.8441, 0.2606, 0.1597



20.6846, 0.2472, 0.1328



36.2080, 0.3319, 0.1954



17.9121, 0.3073, 0.3051



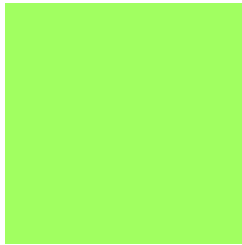
7.3360, 0.2219, 0.0996



0.7781, 0.2328, 0.1056

Previews

White Background



This preview shows how the Yxy color 79.9601, 0.3361, 0.5108 looks on a white background.

Color Contrast Check

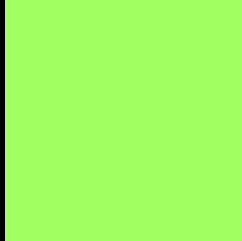
Large Text (above 18pt) WCAG AA × Fail

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 79.9601, 0.3361, 0.5108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

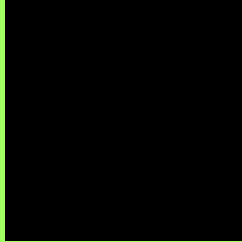
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

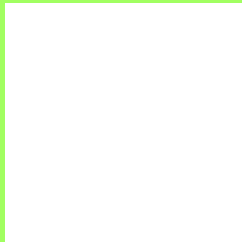
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.9601, 0.3361, 0.5108

Background



This preview shows how black text looks on a background with the Yxy color 79.9601, 0.3361, 0.5108.

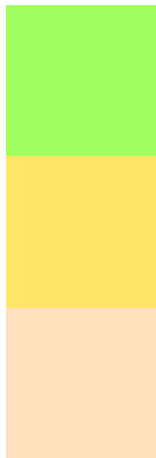


This preview shows how white text looks on a background with the Yxy color 79.9601, 0.3361, 0.5108.

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

79.9601, 0.3361, 0.5108

Protanopia

78.8329, 0.4112, 0.4503

Deuteranopia

78.7846, 0.3591, 0.3657



Tritanopia

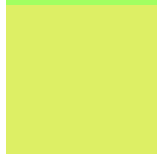
79.4454, 0.2741, 0.3106

Trichromacy



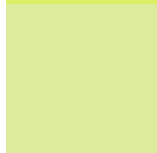
Original Color

79.9601, 0.3361, 0.5108



Protanomaly

78.0447, 0.3817, 0.4726



Deuteranomaly

77.7634, 0.3528, 0.4168



Tritanomaly

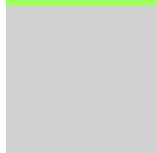
78.4819, 0.2991, 0.3825

Monochromacy



Original Color

79.9601, 0.3361, 0.5108



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.4263, 0.3261, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.9601, 0.3361, 0.5108 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(161, 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(161, 255, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 255, 97) }
```

Border

The CSS property to change the border of an element to Yxy 79.9601, 0.3361, 0.5108 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, 97) }
```

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

```
.border{ border-color:rgb(161, 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(161, 255, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 255, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 255, 97);  
box-shadow:4px 4px 4px 4px rgb(161, 255,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 79.9601, 0.3361, 0.5108 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, 97) }
```

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

```
.background{ background-color: rgb(161,  
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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