

Converting Colors

$Y_{xy}(79.2730, 0.3490, 0.5431)$

Have a look what the booklet for
Yxy(79.2730, 0.3490, 0.5431)
contains.

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Color

Yxy(79.2326, 0.3487, 0.5433)

Conversions

Conversions Part 1

Format	Color
Hex	A0FF33
RGB	160, 255, 51
RGB Percent	63%, 100%, 20%
CMY	0.3726, 0.0000, 0.7998
CMYK	0.37, 0.00, 0.80, 0.00
HSL	88°, 100%, 60%
HSV	88°, 80%, 100%
XYZ	50.8529, 79.2326, 15.7503
YIQ	203.3390, 8.8640, -83.5840

Conversions

Conversions Part 2

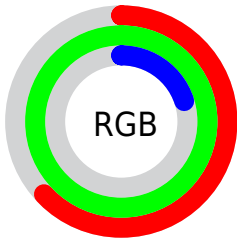
Format	Color
RYB	51, 255, 146
Decimal	10551091
CIELab	91.34, -56.76, 80.08
CIELCh	91, 98.156, 125.329
Yxy	79.2326, 0.3487, 0.5433
Android (android.graphics.Color)	4288741171 (0xFFA0FF33)
YUV	203.3390, -75.1031, -38.0083
Hunter-Lab	89.0127, -53.7952, 51.8179

Details

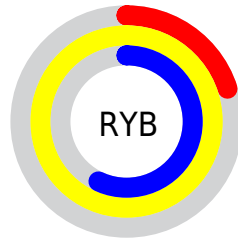
The Yxy color **79.2326, 0.3487, 0.5433** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **15.7100, 0.2178, 0.1100**, and the grayscale version is **60.4230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9734, 0.3677, 0.4731**, and **43.0408, 0.3363, 0.5712** is the 20% darker color. If you saturate the color by 10%, you get **77.8980, 0.3453, 0.5583**, and if you desaturate by 10%, it is **80.8047, 0.3498, 0.5228**.

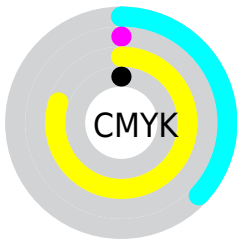
Distribution



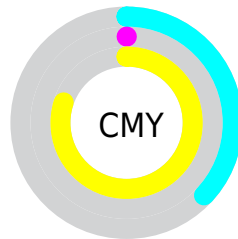
- Red (63%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (57%)



- Cyan (37%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.2326, 0.3487, 0.5433 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 79.2326, 0.3487, 0.5433 by changing the saturation by 10% instead.


 79.2326, 0.3487,
0.5433


 79.2326, 0.3487,
0.5433


492.3429, 0.3420,
0.4426


 59.0871, 0.3472,
0.5649


 132.2863, 0.3488,
0.5091

 42.6832, 0.3437,
0.5904

 165.9632, 0.3481,
0.4955

 29.6366, 0.3367,
0.6202


 204.9194, 0.3472,
0.4837

 19.5630, 0.3245,
0.6558

 249.5392, 0.3462,
0.4734

 12.0778, 0.3029,
0.6971

 300.2071, 0.3451,
0.4643

 6.7967, 0.2633,
0.7367


357.3074, 0.3440,


 3.3353, 0.2050,


0.4562


0.7950


421.2245, 0.3430,
0.4490

 1.3092, 0.0000,
1.0000

 0.1483, 0.0000,
1.0000


 79.2326, 0.3487,
0.5433

 79.2326, 0.3487,
0.5433


 77.8980, 0.3453,
0.5583


 80.8047, 0.3498,
0.5228

 76.7729, 0.3401,
0.5682


 82.6390, 0.3486,
0.4979


 76.7707, 0.3401,
0.5682

 84.7521, 0.3453,
0.4698

 87.1598, 0.3404,
0.4402

 89.8764, 0.3342,
0.4105

 92.9152, 0.3273,
0.3816

 96.2886, 0.3200,
0.3542

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.



79.2326, 0.4455, 0.4976



79.2326, 0.3487, 0.5433



79.2326, 0.2482, 0.4966

Triad

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



79.2326, 0.3487, 0.5433



79.2326, 0.1367, 0.1900



79.2326, 0.4660, 0.2759

Complementary

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



79.2326, 0.3487, 0.5433



15.7100, 0.2178, 0.1100

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.



79.2326, 0.3509, 0.2175



79.2326, 0.3487, 0.5433



79.2326, 0.1710, 0.1697

Square

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



79.2326, 0.3487, 0.5433



79.2326, 0.1355, 0.2521



79.2326, 0.2425, 0.1803



79.2326, 0.5296, 0.3452

Rectangle

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



79.2326, 0.3487, 0.5433



79.2326, 0.1926, 0.4133



79.2326, 0.2425, 0.1803



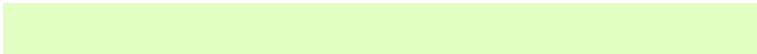
79.2326, 0.4304, 0.2547

Sweetspot

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



79.2312, 0.3487, 0.5433



91.6537, 0.3302, 0.3930



41.0933, 0.5109, 0.4066



19.3879, 0.3326, 0.4034



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.



79.2312, 0.3487, 0.5433



77.2005, 0.3422, 0.5647



72.7596, 0.3034, 0.5764



20.6458, 0.3197, 0.3530



40.2041, 0.3412, 0.5673



3.9796, 0.3495, 0.5607

Inverse Universe

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



15.7100, 0.2178, 0.1100



11.7453, 0.1982, 0.0878



28.9694, 0.3105, 0.1583



17.7925, 0.3052, 0.3049



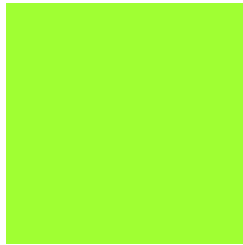
5.9015, 0.1956, 0.0851



0.6389, 0.2081, 0.0920

Previews

White Background



This preview shows how the Yxy color 79.2326, 0.3487, 0.5433 looks on a white background.

Color Contrast Check

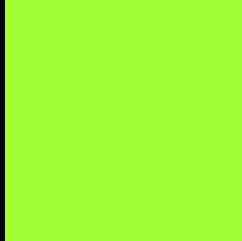
Large Text (above 18pt) WCAG AA × Fail

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 79.2326, 0.3487, 0.5433 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

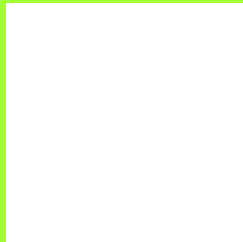
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.2326, 0.3487, 0.5433

Background



This preview shows how black text looks on a background with the Yxy color 79.2326, 0.3487, 0.5433.

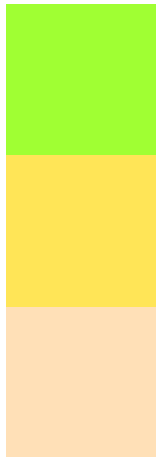


This preview shows how white text looks on a background with the Yxy color 79.2326, 0.3487, 0.5433.

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

79.2326, 0.3487, 0.5433

Protanopia

77.9867, 0.4193, 0.4607

Deuteranopia

77.9902, 0.3636, 0.3709



Tritanopia

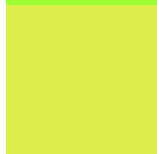
78.6072, 0.2729, 0.3094

Trichromacy



Original Color

79.2326, 0.3487, 0.5433



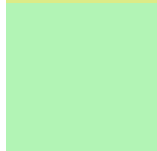
Protanomaly

76.8591, 0.3924, 0.4918



Deuteranomaly

76.3816, 0.3649, 0.4382



Tritanomaly

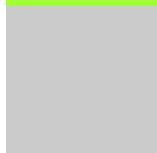
77.5025, 0.3074, 0.4034

Monochromacy



Original Color

79.2326, 0.3487, 0.5433



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.9455, 0.3358, 0.4198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.2326, 0.3487, 0.5433 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(160, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(160, 255, 51)  
}
```

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(160, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 79.2326, 0.3487, 0.5433 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(160, 255, 51) }
```

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

```
.border{ border-color:rgb(160, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(160, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 79.2326, 0.3487, 0.5433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 255, 51) }
```

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

```
.background{ background-color: rgb(160,  
255, 51) }
```

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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