

Converting Colors

$Y_{xy}(80.1822, 0.3422, 0.5182)$

Have a look what the booklet for
Yxy(80.1822, 0.3422, 0.5182)
contains.

Yxy(80.2075, 0.3421, 0.5178)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.2075, 0.3421, 0.5178)

Conversions

Conversions Part 1

Format	Color
Hex	A5FF57
RGB	165, 255, 87
RGB Percent	65%, 100%, 34%
CMY	0.3531, 0.0000, 0.6589
CMYK	0.35, 0.00, 0.66, 0.00
HSL	92°, 100%, 67%
HSV	92°, 66%, 100%
XYZ	52.9915, 80.2075, 21.7016
YIQ	208.9380, 0.2880, -71.3280

Conversions

Conversions Part 2

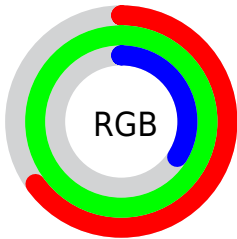
Format	Color
RYB	87, 255, 177
Decimal	10878807
CIELab	91.78, -53.04, 69.00
CIElCh	92, 87.027, 127.549
Yxy	80.2075, 0.3421, 0.5178
Android (android.graphics.Color)	4289068887 (0xFFA5FF57)
YUV	208.9380, -60.1154, -38.5336
Hunter-Lab	89.5586, -51.1099, 48.3241

Details

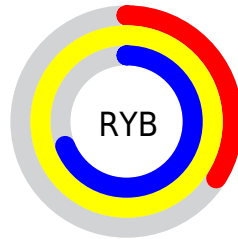
The Yxy color **80.2075, 0.3421, 0.5178** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **23.3840, 0.2474, 0.1461**, and the grayscale version is **64.1090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3809, 0.3563, 0.4452**, and **43.4994, 0.3393, 0.5621** is the 20% darker color. If you saturate the color by 10%, you get **78.4703, 0.3411, 0.5414**, and if you desaturate by 10%, it is **82.2405, 0.3410, 0.4901**.

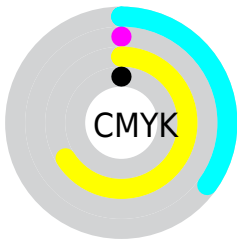
Distribution



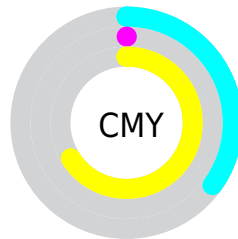
- Red (65%)
- Green (100%)
- Blue (34%)



- Red (34%)
- Yellow (100%)
- Blue (69%)



- Cyan (35%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2075, 0.3421, 0.5178 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 80.2075, 0.3421, 0.5178 by changing the saturation by 10% instead.


 80.2075, 0.3421,
0.5178

 80.2075, 0.3421,
0.5178


495.6318, 0.3355,
0.4280

 59.8891, 0.3415,
0.5378

 133.6574, 0.3415,
0.4868


 43.3293, 0.3395,
0.5619


 167.5578, 0.3407,
0.4746

 30.1435, 0.3352,
0.5912


 206.7542, 0.3399,
0.4642

 19.9476, 0.3265,
0.6266

 251.6312, 0.3390,
0.4550

 12.3569, 0.3130,
0.6754

302.5730, 0.3381,
0.4470

 6.9873, 0.2801,
0.7199


359.9641, 0.3372,


 3.4541, 0.2256,


0.4399


0.7744


424.1889, 0.3363,
0.4336


 1.3732, 0.0000,
1.0000


 0.1968, 0.0000,
1.0000

 80.2075, 0.3421,
0.5178


 80.2075, 0.3421,
0.5178


 78.4703, 0.3411,
0.5414

 82.2405, 0.3410,
0.4901

 77.0195, 0.3379,
0.5597

 84.5997, 0.3381,
0.4601

 75.8259, 0.3329,
0.5720

 87.2980, 0.3338,
0.4294

 75.3962, 0.3305,
0.5758

 90.3508, 0.3284,
0.3992

 93.7725, 0.3225,
0.3704

 97.5765, 0.3164,
0.3437

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.



80.2075, 0.4304, 0.4879



80.2075, 0.3421, 0.5178



80.2075, 0.2511, 0.4672

Triad

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



80.2075, 0.3421, 0.5178



80.2075, 0.1533, 0.2015



80.2075, 0.4547, 0.2870

Complementary

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



80.2075, 0.3421, 0.5178



23.3840, 0.2474, 0.1461

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.



80.2075, 0.3554, 0.2316



80.2075, 0.3421, 0.5178



80.2075, 0.1879, 0.1838

Square

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



80.2075, 0.3421, 0.5178



80.2075, 0.1505, 0.2565



80.2075, 0.2566, 0.1952



80.2075, 0.5075, 0.3525

Rectangle

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



80.2075, 0.3421, 0.5178



80.2075, 0.2013, 0.3945



80.2075, 0.2566, 0.1952



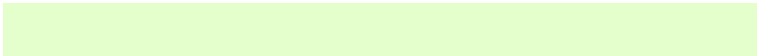
80.2075, 0.4245, 0.2670

Sweetspot

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



80.2035, 0.3421, 0.5178



92.3197, 0.3250, 0.3820



53.2320, 0.4577, 0.4158



19.5556, 0.3267, 0.3901



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.



80.2035, 0.3421, 0.5178



77.9895, 0.3403, 0.5478



74.3286, 0.3009, 0.5371



20.5812, 0.3186, 0.3531



39.4829, 0.3317, 0.5748



3.9085, 0.3404, 0.5679

Inverse Universe

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



23.3840, 0.2474, 0.1461



17.4461, 0.2311, 0.1181



34.9388, 0.3250, 0.1837



17.8571, 0.3063, 0.3050



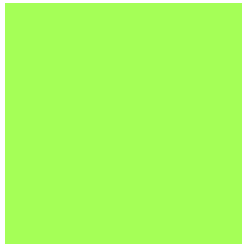
6.6259, 0.2093, 0.0926



0.7102, 0.2211, 0.0992

Previews

White Background



This preview shows how the Yxy color 80.2075, 0.3421, 0.5178 looks on a white background.

Color Contrast Check

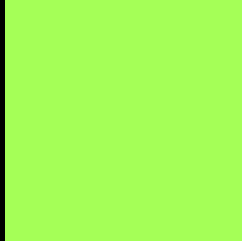
Large Text (above 18pt) WCAG AA × Fail

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 80.2075, 0.3421, 0.5178 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

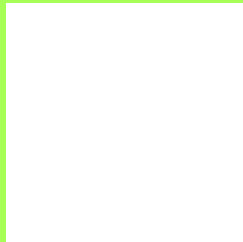
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2075, 0.3421, 0.5178

Background



This preview shows how black text looks on a background with the Yxy color 80.2075, 0.3421, 0.5178.



This preview shows how white text looks on a background with the Yxy color 80.2075, 0.3421, 0.5178.

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

80.2075, 0.3421, 0.5178

Protanopia

79.4524, 0.4091, 0.4488

Deuteranopia

79.3268, 0.3588, 0.3667



Tritanopia

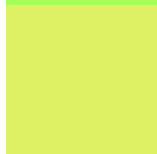
79.8384, 0.2758, 0.3107

Trichromacy



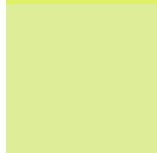
Original Color

80.2075, 0.3421, 0.5178



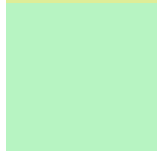
Protanomaly

78.7506, 0.3829, 0.4746



Deuteranomaly

78.3650, 0.3556, 0.4218



Tritanomaly

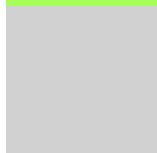
78.6637, 0.3031, 0.3870

Monochromacy



Original Color

80.2075, 0.3421, 0.5178



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.4468, 0.3287, 0.4020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2075, 0.3421, 0.5178 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(165, 255, 87)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 87)  
}
```

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(165, 255, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 87) }
```

Border

The CSS property to change the border of an element to Yxy 80.2075, 0.3421, 0.5178 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(165, 255, 87) }
```

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

```
.border{ border-color:rgb(165, 255, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 255, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 87);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2075, 0.3421, 0.5178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 87) }
```

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

```
.background{ background-color: rgb(165,  
255, 87) }
```

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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