

Converting Colors

$Yxy(80.8352, 0.3387, 0.5036)$

Have a look what the booklet for
Yxy(80.8352, 0.3387, 0.5036)
contains.

Yxy(80.8041, 0.3385, 0.5037)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.8041, 0.3385, 0.5037)

Conversions

Conversions Part 1

Format	Color
Hex	A8FF66
RGB	168, 255, 102
RGB Percent	66%, 100%, 40%
CMY	0.3413, 0.0000, 0.5998
CMYK	0.34, 0.00, 0.60, 0.00
HSL	94°, 100%, 70%
HSV	94°, 60%, 100%
XYZ	54.3025, 80.8041, 25.3144
YIQ	211.5450, -2.7390, -66.0270

Conversions

Conversions Part 2

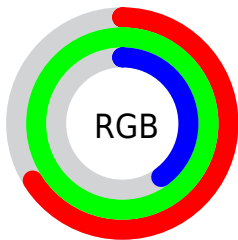
Format	Color
RYB	102, 255, 189
Decimal	11075430
CIELab	92.04, -50.82, 63.30
CIELCh	92, 81.180, 128.758
Yxy	80.8041, 0.3385, 0.5037
Android (android.graphics.Color)	4289265510 (0xFFA8FF66)
YUV	211.5450, -54.0057, -38.1890
Hunter-Lab	89.8911, -49.4789, 46.2270

Details

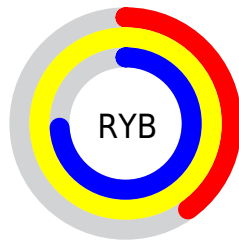
The Yxy color **80.8041, 0.3385, 0.5037** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **27.5593, 0.2593, 0.1631**, and the grayscale version is **65.8821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3195, 0.3508, 0.4304**, and **43.8850, 0.3368, 0.5459** is the 20% darker color. If you saturate the color by 10%, you get **78.8660, 0.3384, 0.5304**, and if you desaturate by 10%, it is **83.0694, 0.3368, 0.4739**.

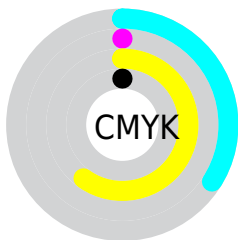
Distribution



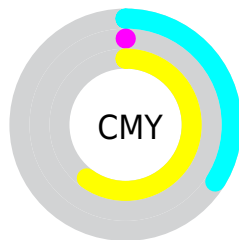
- Red (66%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (74%)



- Cyan (34%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8041, 0.3385, 0.5037 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 80.8041, 0.3385, 0.5037 by changing the saturation by 10% instead.


 80.8041, 0.3385,
0.5037

 80.8041, 0.3385,
0.5037

497.6386, 0.3323,
0.4203


 60.3803, 0.3382,
0.5226


 134.4957, 0.3377,
0.4747

 43.7252, 0.3368,
0.5455


 168.5322, 0.3370,
0.4634

 30.4545, 0.3336,
0.5737


 207.8751, 0.3362,
0.4537

 20.1839, 0.3268,
0.6085

 252.9087, 0.3354,
0.4453

 12.5288, 0.3139,
0.6526

304.0175, 0.3346,
0.4379

 7.1049, 0.2900,
0.7100

361.5858, 0.3338,

 3.5278, 0.2380,

0.4313

0.7620

425.9980, 0.3330,
0.4255

1.4131, 0.0186,
0.9814

0.2263, 0.0000,
1.0000

80.8041, 0.3385,
0.5037

80.8041, 0.3385,
0.5037

78.8660, 0.3384,
0.5304

83.0694, 0.3368,
0.4739

77.2436, 0.3361,
0.5525

85.6894, 0.3335,
0.4428

75.9101, 0.3320,
0.5686

88.6780, 0.3291,
0.4118

74.8303, 0.3264,
0.5790

92.0509, 0.3239,
0.3821

 74.8287, 0.3264,
0.5790

 95.8226, 0.3184,
0.3544

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.



80.8041, 0.4220, 0.4813



80.8041, 0.3385, 0.5037



80.8041, 0.2528, 0.4528

Triad

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



80.8041, 0.3385, 0.5037



80.8041, 0.1625, 0.2079



80.8041, 0.4481, 0.2926

Complementary

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



80.8041, 0.3385, 0.5037



27.5593, 0.2593, 0.1631

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.



80.8041, 0.3569, 0.2390



80.8041, 0.3385, 0.5037



80.8041, 0.1971, 0.1917

Square

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



80.8041, 0.3385, 0.5037



80.8041, 0.1589, 0.2592



80.8041, 0.2638, 0.2034



80.8041, 0.4955, 0.3556

Rectangle

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



80.8041, 0.3385, 0.5037



80.8041, 0.2063, 0.3856



80.8041, 0.2638, 0.2034



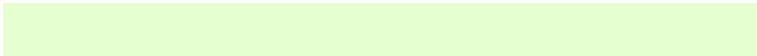
80.8041, 0.4206, 0.2733

Sweetspot

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



80.8011, 0.3385, 0.5037



92.7671, 0.3228, 0.3765



58.4939, 0.4385, 0.4152



19.6323, 0.3244, 0.3848



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.



80.8011, 0.3385, 0.5037



78.5145, 0.3381, 0.5353



75.5223, 0.2998, 0.5125



20.5509, 0.3181, 0.3531



39.1838, 0.3276, 0.5781



3.8782, 0.3364, 0.5711

Inverse Universe

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



27.5593, 0.2593, 0.1631



20.9925, 0.2451, 0.1347



37.3512, 0.3288, 0.1966



17.8878, 0.3069, 0.3051



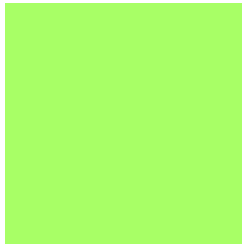
7.0126, 0.2162, 0.0965



0.7473, 0.2276, 0.1028

Previews

White Background



This preview shows how the Yxy color 80.8041, 0.3385, 0.5037 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 80.8041, 0.3385, 0.5037 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

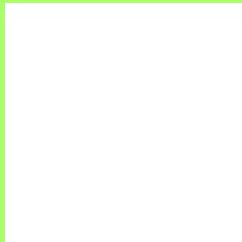
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8041, 0.3385, 0.5037

Background



This preview shows how black text looks on a background with the Yxy color 80.8041, 0.3385, 0.5037.



This preview shows how white text looks on a background with the Yxy color 80.8041, 0.3385, 0.5037.

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

80.8041, 0.3385, 0.5037

Protanopia

79.6496, 0.4044, 0.4417

Deuteranopia

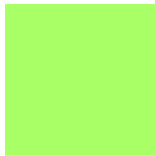
79.4585, 0.3567, 0.3636



Tritanopia

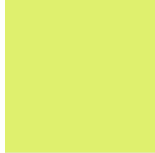
80.2394, 0.2775, 0.3108

Trichromacy



Original Color

80.8041, 0.3385, 0.5037



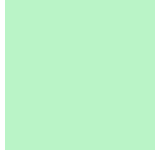
Protanomaly

79.1339, 0.3785, 0.4650



Deuteranomaly

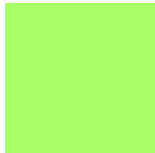
78.7596, 0.3521, 0.4141



Tritanomaly

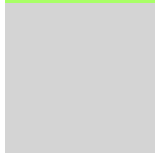
79.2640, 0.3022, 0.3807

Monochromacy



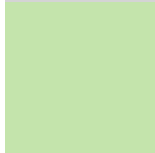
Original Color

80.8041, 0.3385, 0.5037



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.2011, 0.3262, 0.3951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8041, 0.3385, 0.5037 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(168, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 102)  
}
```

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(168, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 80.8041, 0.3385, 0.5037 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(168, 255, 102) }
```

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

```
.border{ border-color:rgb(168, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8041, 0.3385, 0.5037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 102) }
```

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

```
.background{ background-color: rgb(168,  
255, 102) }
```

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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