

Converting Colors

$Yxy(80.3304, 0.3361, 0.5058)$

Have a look what the booklet for
Yxy(80.3304, 0.3361, 0.5058)
contains.

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Color

Yxy(80.3521, 0.3364, 0.5061)

Conversions

Conversions Part 1

Format	Color
Hex	A4FF65
RGB	164, 255, 101
RGB Percent	64%, 100%, 40%
CMY	0.3571, 0.0000, 0.6039
CMYK	0.36, 0.00, 0.60, 0.00
HSL	95°, 100%, 70%
HSV	95°, 60%, 100%
XYZ	53.4093, 80.3521, 25.0058
YIQ	210.2350, -4.8020, -67.1860

Conversions

Conversions Part 2

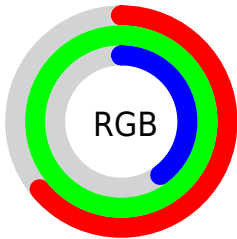
Format	Color
RYB	101, 255, 192
Decimal	10813285
CIELab	91.84, -52.24, 63.46
CIElCh	92, 82.193, 129.461
Yxy	80.3521, 0.3364, 0.5061
Android (android.graphics.Color)	4289003365 (0xFFA4FF65)
YUV	210.2350, -53.8529, -40.5481
Hunter-Lab	89.6393, -50.5142, 46.2080

Details

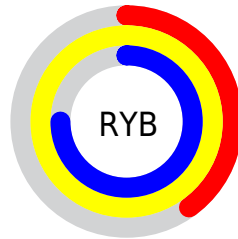
The Yxy color **80.3521, 0.3364, 0.5061** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **27.7426, 0.2618, 0.1634**, and the grayscale version is **64.9613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6423, 0.3486, 0.4324**, and **43.6268, 0.3342, 0.5487** is the 20% darker color. If you saturate the color by 10%, you get **78.4113, 0.3359, 0.5330**, and if you desaturate by 10%, it is **82.6251, 0.3350, 0.4760**.

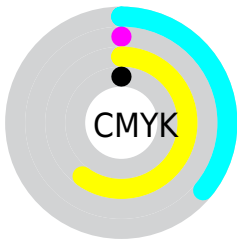
Distribution



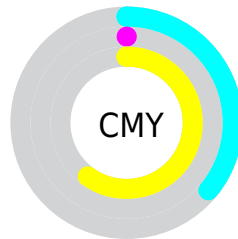
- Red (64%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (75%)



- Cyan (36%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3521, 0.3364, 0.5061 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 80.3521, 0.3364, 0.5061 by changing the saturation by 10% instead.


 80.3521, 0.3364,
0.5061


 80.3521, 0.3364,
0.5061


496.1186, 0.3313,
0.4213


 60.0081, 0.3358,
0.5253

 133.8607, 0.3360,
0.4766

 43.4252, 0.3341,
0.5487


 167.7940, 0.3354,
0.4651

 30.2189, 0.3304,
0.5775


 207.0260, 0.3348,
0.4552

 20.0048, 0.3229,
0.6131


 251.9410, 0.3341,
0.4467

 12.3985, 0.3092,
0.6586

302.9233, 0.3333,
0.4391

 7.0157, 0.2835,
0.7165


360.3575, 0.3326,


 3.4719, 0.2299,


0.4325


0.7701


424.6278, 0.3319,
0.4266


 1.3828, 0.0000,
1.0000

 0.2040, 0.0000,
1.0000


 80.3521, 0.3364,
0.5061


 80.3521, 0.3364,
0.5061


 78.4113, 0.3359,
0.5330


 82.6251, 0.3350,
0.4760


 76.8007, 0.3335,
0.5551

 85.2691, 0.3322,
0.4446

 75.4890, 0.3291,
0.5712

 88.2951, 0.3281,
0.4134

 74.4759, 0.3238,
0.5811

 91.7196, 0.3234,
0.3834

 95.5578, 0.3182,
0.3555

99.8242, 0.3129,
0.3300

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.



80.3521, 0.4212, 0.4842



80.3521, 0.3364, 0.5061



80.3521, 0.2500, 0.4527

Triad

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



80.3521, 0.3364, 0.5061



80.3521, 0.1613, 0.2057



80.3521, 0.4518, 0.2934

Complementary

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



80.3521, 0.3364, 0.5061



27.7426, 0.2618, 0.1634

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.



80.3521, 0.3598, 0.2391



80.3521, 0.3364, 0.5061



80.3521, 0.1969, 0.1901

Square

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



80.3521, 0.3364, 0.5061



80.3521, 0.1569, 0.2564



80.3521, 0.2651, 0.2026



80.3521, 0.4983, 0.3571

Rectangle

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



80.3521, 0.3364, 0.5061



80.3521, 0.2035, 0.3838



80.3521, 0.2651, 0.2026



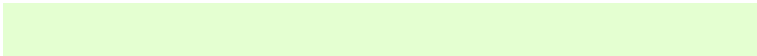
80.3521, 0.4242, 0.2739

Sweetspot

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



80.3456, 0.3364, 0.5061



92.5993, 0.3222, 0.3766



59.3890, 0.4377, 0.4180



19.5916, 0.3237, 0.3849



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.



80.3456, 0.3364, 0.5061



78.1310, 0.3357, 0.5370



75.4980, 0.2988, 0.5109



20.5305, 0.3178, 0.3531



38.9972, 0.3249, 0.5802



3.8590, 0.3337, 0.5732

Inverse Universe

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



27.7426, 0.2618, 0.1634



21.4767, 0.2488, 0.1365



36.9886, 0.3314, 0.1979



17.9086, 0.3072, 0.3051



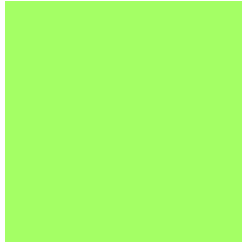
7.2892, 0.2210, 0.0991



0.7736, 0.2321, 0.1052

Previews

White Background



This preview shows how the Yxy color 80.3521, 0.3364, 0.5061 looks on a white background.

Color Contrast Check

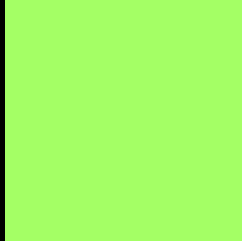
Large Text (above 18pt) WCAG AA × Fail

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 80.3521, 0.3364, 0.5061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

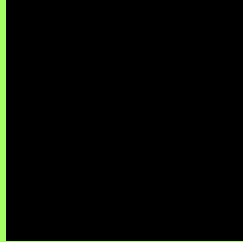
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

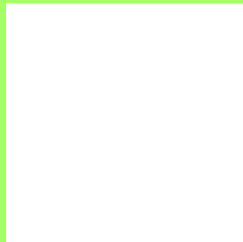
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3521, 0.3364, 0.5061

Background



This preview shows how black text looks on a background with the Yxy color 80.3521, 0.3364, 0.5061.

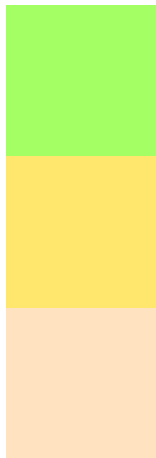


This preview shows how white text looks on a background with the Yxy color 80.3521, 0.3364, 0.5061.

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

80.3521, 0.3364, 0.5061

Protanopia

79.5160, 0.4075, 0.4465

Deuteranopia

79.4143, 0.3574, 0.3647



Tritanopia

79.8384, 0.2758, 0.3107

Trichromacy



Original Color

80.3521, 0.3364, 0.5061



Protanomaly

78.8904, 0.3797, 0.4688



Deuteranomaly

78.5666, 0.3520, 0.4154



Tritanomaly

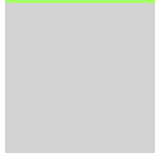
78.8922, 0.3003, 0.3810

Monochromacy



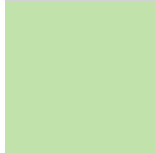
Original Color

80.3521, 0.3364, 0.5061



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.6324, 0.3256, 0.3959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3521, 0.3364, 0.5061 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(164, 255, 101)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 101)  
}
```

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(164, 255, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 101) }
```

Border

The CSS property to change the border of an element to Yxy 80.3521, 0.3364, 0.5061 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(164, 255, 101) }
```

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

```
.border{ border-color:rgb(164, 255, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 255, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 101);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3521, 0.3364, 0.5061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 101) }
```

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

```
.background{ background-color: rgb(164,  
255, 101) }
```

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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