

Converting Colors

$Y_{xy}(121.3040, 0.3270, 0.5406)$

Have a look what the booklet for
Yxy(121.3040, 0.3270, 0.5406)
contains.

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Color

Yxy(80.0792, 0.3391, 0.5144)

Conversions

Conversions Part 1

Format	Color
Hex	A3FF5C
RGB	163, 255, 92
RGB Percent	64%, 100%, 36%
CMY	0.3610, 0.0000, 0.6391
CMYK	0.36, 0.00, 0.64, 0.00
HSL	94°, 100%, 68%
HSV	94°, 64%, 100%
XYZ	52.7894, 80.0792, 22.8064
YIQ	208.9100, -2.5090, -70.1970

Conversions

Conversions Part 2

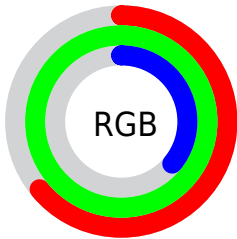
Format	Color
RYB	92, 255, 184
Decimal	10747740
CIELab	91.72, -53.31, 66.95
CIElCh	92, 85.584, 128.532
Yxy	80.0792, 0.3391, 0.5144
Android (android.graphics.Color)	4288937820 (0xFFA3FF5C)
YUV	208.9100, -57.6366, -40.2631
Hunter-Lab	89.4870, -51.3031, 47.5304

Details

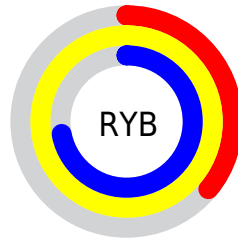
The Yxy color **80.0792, 0.3391, 0.5144** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **25.0810, 0.2541, 0.1529**, and the grayscale version is **64.0748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1877, 0.3528, 0.4418**, and **43.4199, 0.3362, 0.5587** is the 20% darker color. If you saturate the color by 10%, you get **78.2666, 0.3382, 0.5394**, and if you desaturate by 10%, it is **82.2056, 0.3380, 0.4857**.

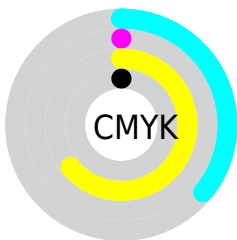
Distribution



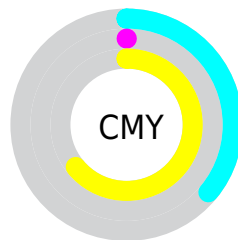
- Red (64%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (72%)



- Cyan (36%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)




- Cyan (36%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.0792, 0.3391, 0.5144 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 80.0792, 0.3391, 0.5144 by changing the saturation by 10% instead.

 80.0792, 0.3391,
0.5144

 80.0792, 0.3391,
0.5144

495.1997, 0.3335,
0.4259


 59.7835, 0.3384,
0.5343


 133.4771, 0.3387,
0.4837

 43.2442, 0.3364,
0.5584


 167.3481, 0.3381,
0.4717

 30.0767, 0.3321,
0.5877


 206.5130, 0.3374,
0.4614

 19.8968, 0.3237,
0.6236

 251.3562, 0.3366,
0.4524

 12.3201, 0.3096,
0.6715

302.2620, 0.3358,
0.4446

 6.9621, 0.2787,
0.7213


359.6150, 0.3350,


 3.4384, 0.2239,

0.4376

0.7761

423.7994, 0.3342,
0.4314


 1.3647, 0.0000,
1.0000

 0.1905, 0.0000,
1.0000


 80.0792, 0.3391,
0.5144


 80.0792, 0.3391,
0.5144


 78.2666, 0.3382,
0.5394

 82.2056, 0.3380,
0.4857

 76.7604, 0.3352,
0.5592


 84.6789, 0.3352,
0.4549

 75.5305, 0.3304,
0.5729

 87.5119, 0.3311,
0.4238

 74.8972, 0.3269,
0.5786

 90.7203, 0.3262,
0.3936

 94.3192, 0.3207,
0.3650

 98.3226, 0.3150,
0.3386

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.



80.0792, 0.4266, 0.4878



80.0792, 0.3391, 0.5144



80.0792, 0.2495, 0.4617

Triad

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



80.0792, 0.3391, 0.5144



80.0792, 0.1558, 0.2021



80.0792, 0.4551, 0.2898

Complementary

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



80.0792, 0.3391, 0.5144



25.0810, 0.2541, 0.1529

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.



80.0792, 0.3582, 0.2344



80.0792, 0.3391, 0.5144



80.0792, 0.1912, 0.1855

Square

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



80.0792, 0.3391, 0.5144



80.0792, 0.1521, 0.2553



80.0792, 0.2603, 0.1977



80.0792, 0.5052, 0.3548

Rectangle

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



80.0792, 0.3391, 0.5144



80.0792, 0.2010, 0.3896



80.0792, 0.2603, 0.1977



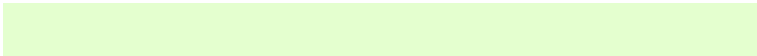
80.0792, 0.4259, 0.2698

Sweetspot

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



80.0745, 0.3391, 0.5144



92.4371, 0.3235, 0.3793



55.3523, 0.4504, 0.4167



19.5687, 0.3251, 0.3875



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.



80.0745, 0.3391, 0.5144



77.7698, 0.3375, 0.5462



74.7207, 0.3003, 0.5281



20.5547, 0.3182, 0.3531



39.2199, 0.3281, 0.5777



3.8819, 0.3369, 0.5707

Inverse Universe

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



25.0810, 0.2541, 0.1529



18.8088, 0.2386, 0.1244



35.6264, 0.3273, 0.1885



17.8840, 0.3068, 0.3051



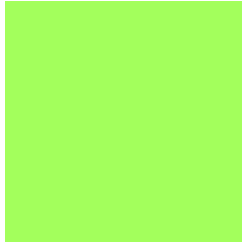
6.9624, 0.2153, 0.0960



0.7426, 0.2268, 0.1023

Previews

White Background



This preview shows how the Yxy color 80.0792, 0.3391, 0.5144 looks on a white background.

Color Contrast Check

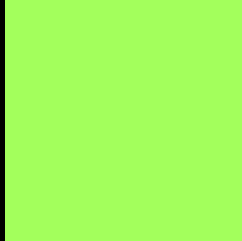
Large Text (above 18pt) WCAG AA × Fail

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 80.0792, 0.3391, 0.5144 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

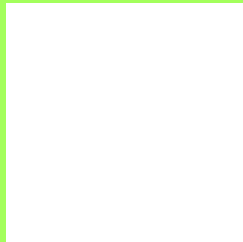
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0792, 0.3391, 0.5144

Background



This preview shows how black text looks on a background with the Yxy color 80.0792, 0.3391, 0.5144.

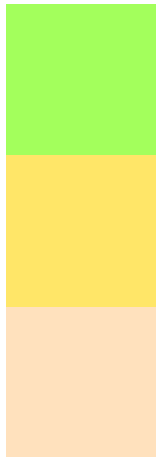


This preview shows how white text looks on a background with the Yxy color 80.0792, 0.3391, 0.5144.

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

80.0792, 0.3391, 0.5144

Protanopia

78.8531, 0.4107, 0.4495

Deuteranopia

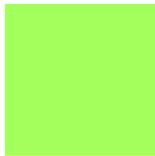
78.7846, 0.3591, 0.3657



Tritanopia

79.7065, 0.2752, 0.3106

Trichromacy



Original Color

80.0792, 0.3391, 0.5144



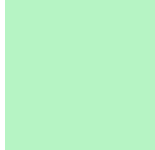
Protanomaly

78.1827, 0.3829, 0.4730



Deuteranomaly

77.8536, 0.3547, 0.4187



Tritanomaly

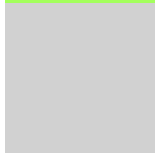
78.6320, 0.3014, 0.3847

Monochromacy



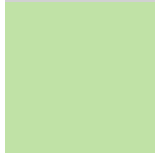
Original Color

80.0792, 0.3391, 0.5144



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.3524, 0.3274, 0.4009

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0792, 0.3391, 0.5144 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(163, 255, 92)` looks like.

```
.text, #text, p{  
    color:rgb(163, 255, 92)  
}
```

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(163, 255, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 255, 92) }
```

Border

The CSS property to change the border of an element to Yxy 80.0792, 0.3391, 0.5144 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(163, 255, 92) }
```

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

```
.border{ border-color:rgb(163, 255, 92) }
```

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

Here you see how a box with a 4 pixel rgb(163, 255, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 255, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 255, 92);  
box-shadow:4px 4px 4px 4px rgb(163, 255,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0792, 0.3391, 0.5144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 255, 92) }
```

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

```
.background{ background-color: rgb(163,  
255, 92) }
```

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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