

Converting Colors

Yxy(78.6948, 0.3358, 0.5285)

Have a look what the booklet for
Yxy(78.6948, 0.3358, 0.5285)
contains.

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Color

Yxy(78.6785, 0.3358, 0.5288)

Conversions

Conversions Part 1

Format	Color
Hex	97FF50
RGB	151, 255, 80
RGB Percent	59%, 100%, 31%
CMY	0.4081, 0.0000, 0.6862
CMYK	0.41, 0.00, 0.69, 0.00
HSL	96°, 100%, 66%
HSV	96°, 69%, 100%
XYZ	49.9626, 78.6785, 20.1457
YIQ	203.9540, -5.8090, -76.4730

Conversions

Conversions Part 2

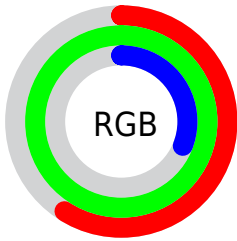
Format	Color
RYB	80, 255, 184
Decimal	9961296
CIELab	91.09, -58.06, 70.67
CIElCh	91, 91.463, 129.406
Yxy	78.6785, 0.3358, 0.5288
Android (android.graphics.Color)	4288151376 (0xFF97FF50)
YUV	203.9540, -61.1093, -46.4407
Hunter-Lab	88.7009, -54.6827, 48.6247

Details

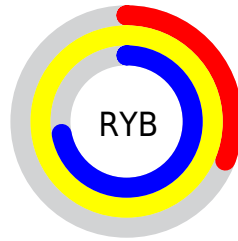
The Yxy color **78.6785, 0.3358, 0.5288** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **23.1612, 0.2532, 0.1440**, and the grayscale version is **60.7385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.3510, 0.4558**, and **42.1062, 0.3306, 0.5757** is the 20% darker color. If you saturate the color by 10%, you get **77.0066, 0.3337, 0.5519**, and if you desaturate by 10%, it is **80.6690, 0.3360, 0.5011**.

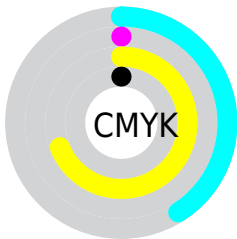
Distribution



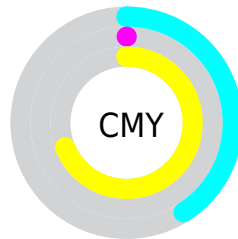
- Red (59%)
- Green (100%)
- Blue (31%)



- Red (31%)
- Yellow (100%)
- Blue (72%)



- Cyan (41%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)




- Cyan (41%)
- Magenta (0%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6785, 0.3358, 0.5288 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 78.6785, 0.3358, 0.5288 by changing the saturation by 10% instead.


 78.6785, 0.3358,
0.5288


 78.6785, 0.3358,
0.5288


490.4680, 0.3328,
0.4330

 58.6315, 0.3341,
0.5503

 131.5062, 0.3366,
0.4956


 42.3166, 0.3308,
0.5762


 165.0556, 0.3364,
0.4826

 29.3492, 0.3245,
0.6075


 203.8747, 0.3359,
0.4714

 19.3452, 0.3132,
0.6454

 248.3478, 0.3353,
0.4617

 11.9200, 0.2975,
0.7018

298.8592, 0.3347,
0.4532

 6.6892, 0.2570,
0.7430


355.7935, 0.3341,


 3.2685, 0.1970,


0.4456


0.8030

419.5350, 0.3334,
0.4390

 1.2735, 0.0000,
1.0000


 0.1205, 0.0000,
1.0000


 78.6785, 0.3358,
0.5288


 78.6785, 0.3358,
0.5288


 77.0066, 0.3337,
0.5519

 80.6690, 0.3360,
0.5011


 75.6456, 0.3296,
0.5691

 83.0157, 0.3344,
0.4706

 74.5580, 0.3242,
0.5802

 85.7322, 0.3313,
0.4391

 74.4243, 0.3234,
0.5814

 88.8359, 0.3272,
0.4080

 92.3432, 0.3224,
0.3783

 96.2693, 0.3173,
0.3508

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.



78.6785, 0.4291, 0.4984



78.6785, 0.3358, 0.5288



78.6785, 0.2415, 0.4702

Triad

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



78.6785, 0.3358, 0.5288



78.6785, 0.1477, 0.1931



78.6785, 0.4681, 0.2883

Complementary

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



78.6785, 0.3358, 0.5288



23.1612, 0.2532, 0.1440

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.



78.6785, 0.3643, 0.2301



78.6785, 0.3358, 0.5288



78.6785, 0.1855, 0.1774

Square

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



78.6785, 0.3358, 0.5288



78.6785, 0.1425, 0.2469



78.6785, 0.2591, 0.1910



78.6785, 0.5190, 0.3561

Rectangle

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



78.6785, 0.3358, 0.5288



78.6785, 0.1913, 0.3903



78.6785, 0.2591, 0.1910



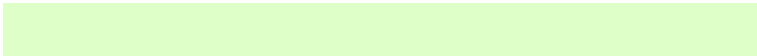
78.6785, 0.4371, 0.2673

Sweetspot

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



78.6730, 0.3358, 0.5288



91.4706, 0.3236, 0.3852



55.3334, 0.4575, 0.4259



19.3682, 0.3249, 0.3934



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.



78.6730, 0.3358, 0.5288



76.5136, 0.3325, 0.5584



74.0455, 0.2979, 0.5365



20.5275, 0.3177, 0.3531



38.9699, 0.3246, 0.5805



3.8561, 0.3333, 0.5735

Inverse Universe

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



23.1612, 0.2532, 0.1440



17.7405, 0.2384, 0.1186



33.3168, 0.3342, 0.1859



17.9118, 0.3073, 0.3051



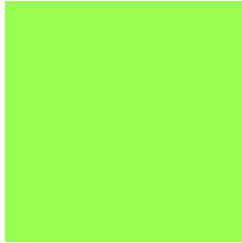
7.3325, 0.2218, 0.0995



0.7777, 0.2328, 0.1056

Previews

White Background



This preview shows how the Yxy color 78.6785, 0.3358, 0.5288 looks on a white background.

Color Contrast Check

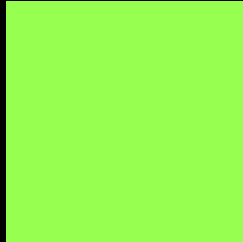
Large Text (above 18pt) WCAG AA × Fail

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 78.6785, 0.3358, 0.5288 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

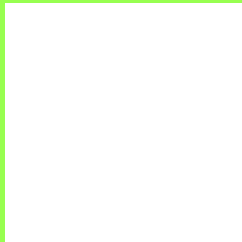
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6785, 0.3358, 0.5288

Background



This preview shows how black text looks on a background with the Yxy color 78.6785, 0.3358, 0.5288.



This preview shows how white text looks on a background with the Yxy color 78.6785, 0.3358, 0.5288.

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

78.6785, 0.3358, 0.5288

Protanopia

77.2969, 0.4237, 0.4654

Deuteranopia

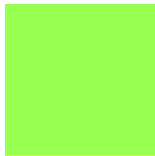
77.4128, 0.3645, 0.3710



Tritanopia

77.8557, 0.2695, 0.3092

Trichromacy



Original Color

78.6785, 0.3358, 0.5288



Protanomaly

76.4653, 0.3884, 0.4901



Deuteranomaly

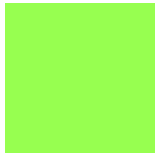
76.2127, 0.3568, 0.4286



Tritanomaly

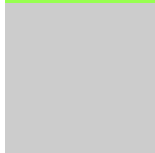
77.1209, 0.2976, 0.3920

Monochromacy



Original Color

78.6785, 0.3358, 0.5288



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.5928, 0.3272, 0.4076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6785, 0.3358, 0.5288 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(151, 255, 80)` looks like.

```
.text, #text, p{  
    color:rgb(151, 255, 80)  
}
```

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(151, 255, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 255, 80) }
```

Border

The CSS property to change the border of an element to Yxy 78.6785, 0.3358, 0.5288 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(151, 255, 80) }
```

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

```
.border{ border-color:rgb(151, 255, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 255, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 255, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 255, 80);  
box-shadow:4px 4px 4px 4px rgb(151, 255,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6785, 0.3358, 0.5288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 255, 80) }
```

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

```
.background{ background-color: rgb(151,  
255, 80) }
```

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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