

Converting Colors

$Yxy(77.0236, 0.3363, 0.5091)$

Have a look what the booklet for
Yxy(77.0236, 0.3363, 0.5091)
contains.

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Color

Yxy(77.2284, 0.3359, 0.5090)

Conversions

Conversions Part 1

Format	Color
Hex	9FFB61
RGB	159, 251, 97
RGB Percent	62%, 98%, 38%
CMY	0.3762, 0.0157, 0.6195
CMYK	0.37, 0.00, 0.61, 0.02
HSL	96°, 95%, 68%
HSV	96°, 61%, 98%
XYZ	50.9647, 77.2284, 23.5327
YIQ	205.9360, -5.3980, -67.3980

Conversions

Conversions Part 2

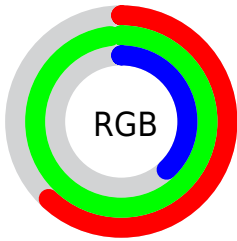
Format	Color
RYB	97, 251, 189
Decimal	10484577
CIELab	90.43, -52.53, 63.47
CIELCh	90, 82.388, 129.612
Yxy	77.2284, 0.3359, 0.5090
Android (android.graphics.Color)	4288674657 (0xFF9FFB61)
YUV	205.9360, -53.7054, -41.1629
Hunter-Lab	87.8797, -50.2707, 45.6389

Details

The Yxy color **77.2284, 0.3359, 0.5090** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **26.3272, 0.2616, 0.1614**, and the grayscale version is **62.0445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7253, 0.3474, 0.4377**, and **41.4902, 0.3333, 0.5530** is the 20% darker color. If you saturate the color by 10%, you get **75.3941, 0.3352, 0.5356**, and if you desaturate by 10%, it is **79.4031, 0.3348, 0.4791**.

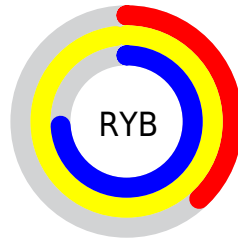
Distribution



Red (62%)

Green (98%)

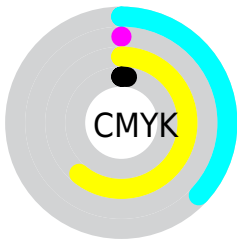
Blue (38%)



Red (38%)

Yellow (98%)

Blue (74%)

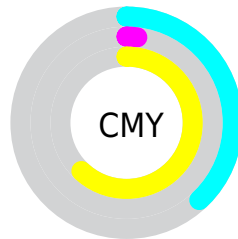


Cyan (37%)

Magenta (0%)

Yellow (61%)

Black (2%)



Cyan (38%)


Magenta (2%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2284, 0.3359, 0.5090 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 77.2284, 0.3359, 0.5090 by changing the saturation by 10% instead.


 77.2284, 0.3359,
0.5090


 77.2284, 0.3359,
0.5090


485.5424, 0.3311,
0.4222


 57.4404, 0.3351,
0.5288

 129.4618, 0.3357,
0.4787


 41.3589, 0.3331,
0.5530


 162.6760, 0.3352,
0.4669

 28.5996, 0.3289,
0.5827


 201.1344, 0.3345,
0.4568

 18.7782, 0.3206,
0.6196

 245.2213, 0.3339,
0.4480

 11.5101, 0.3062,
0.6685

295.3211, 0.3332,
0.4403

 6.4110, 0.2760,
0.7240


351.8184, 0.3325,


 3.0966, 0.2188,


0.4336


0.7812


415.0973, 0.3318,
0.4276


 1.1824, 0.0000,
1.0000


 0.0472, 0.0000,
1.0000


 77.2284, 0.3359,
0.5090


 77.2284, 0.3359,
0.5090


 75.3941, 0.3352,
0.5356


 79.4031, 0.3348,
0.4791


 73.8692, 0.3325,
0.5573

 81.9272, 0.3321,
0.4477

 72.6324, 0.3280,
0.5728


 84.8212, 0.3283,
0.4163

 71.7657, 0.3232,
0.5816

 88.1012, 0.3237,
0.3862

 91.7821, 0.3186,
0.3581

 95.8779, 0.3134,
0.3323

 97.4696, 0.3129,
0.3252

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2284, 0.4219, 0.4864



77.2284, 0.3359, 0.5090



77.2284, 0.2485, 0.4545

Triad

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



77.2284, 0.3359, 0.5090



77.2284, 0.1596, 0.2038



77.2284, 0.4543, 0.2931

Complementary

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



77.2284, 0.3359, 0.5090



26.3272, 0.2616, 0.1614

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.



77.2284, 0.3609, 0.2381



77.2284, 0.3359, 0.5090



77.2284, 0.1957, 0.1884

Square

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



77.2284, 0.3359, 0.5090



77.2284, 0.1549, 0.2548



77.2284, 0.2647, 0.2012



77.2284, 0.5011, 0.3574

Rectangle

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



77.2284, 0.3359, 0.5090



77.2284, 0.2016, 0.3841



77.2284, 0.2647, 0.2012



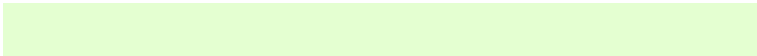
77.2284, 0.4264, 0.2733

Sweetspot

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



77.2317, 0.3359, 0.5090



92.5570, 0.3220, 0.3766



56.8422, 0.4399, 0.4190



19.5814, 0.3235, 0.3850



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.



77.2317, 0.3359, 0.5090



77.6992, 0.3347, 0.5421



72.6544, 0.2987, 0.5138



19.6506, 0.3177, 0.3531



37.8050, 0.3244, 0.5807



3.5613, 0.3336, 0.5733

Inverse Universe

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



26.3272, 0.2616, 0.1614



20.7287, 0.2476, 0.1330



35.2428, 0.3317, 0.1964



17.1553, 0.3073, 0.3052



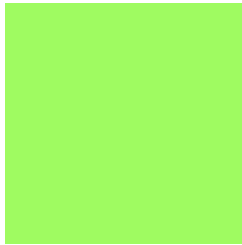
7.1483, 0.2224, 0.0999



0.7238, 0.2338, 0.1062

Previews

White Background



This preview shows how the Yxy color 77.2284, 0.3359, 0.5090 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 77.2284, 0.3359, 0.5090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

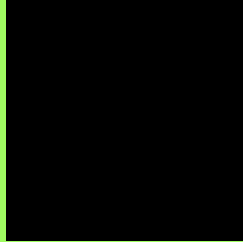
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

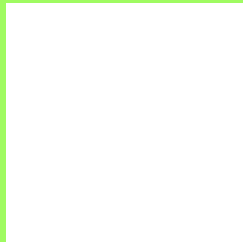
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2284, 0.3359, 0.5090

Background



This preview shows how black text looks on a background with the Yxy color 77.2284, 0.3359, 0.5090.



This preview shows how white text looks on a background with the Yxy color 77.2284, 0.3359, 0.5090.

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

77.2284, 0.3359, 0.5090

Protanopia

76.3718, 0.4170, 0.4585

Deuteranopia

76.1873, 0.3680, 0.3731



Tritanopia

76.6397, 0.2698, 0.3081

Trichromacy



Original Color

77.2284, 0.3359, 0.5090



Protanomaly

75.6866, 0.3845, 0.4780



Deuteranomaly

75.0988, 0.3575, 0.4208



Tritanomaly

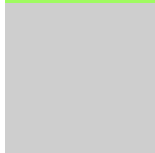
75.9405, 0.2960, 0.3810

Monochromacy



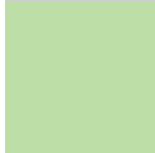
Original Color

77.2284, 0.3359, 0.5090



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

65.8145, 0.3258, 0.3971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2284, 0.3359, 0.5090 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(159, 251, 97)` looks like.

```
.text, #text, p{  
    color:rgb(159, 251, 97)  
}
```

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(159, 251, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 251, 97) }
```

Border

The CSS property to change the border of an element to Yxy 77.2284, 0.3359, 0.5090 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(159, 251, 97) }
```

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

```
.border{ border-color:rgb(159, 251, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 251, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 251, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 251, 97);  
box-shadow:4px 4px 4px 4px rgb(159, 251,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2284, 0.3359, 0.5090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 251, 97) }
```

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

```
.background{ background-color: rgb(159,  
251, 97) }
```

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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