

Converting Colors

$Y_{xy}(79.7495, 0.3325, 0.5073)$

Have a look what the booklet for
Yxy(79.7495, 0.3325, 0.5073)
contains.

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Color

Yxy(79.7484, 0.3324, 0.5073)

Conversions

Conversions Part 1

Format	Color
Hex	9EFF66
RGB	158, 255, 102
RGB Percent	62%, 100%, 40%
CMY	0.3805, 0.0000, 0.6001
CMYK	0.38, 0.00, 0.60, 0.00
HSL	98°, 100%, 70%
HSV	98°, 60%, 100%
XYZ	52.2538, 79.7484, 25.1994
YIQ	208.5550, -8.6990, -68.1470

Conversions

Conversions Part 2

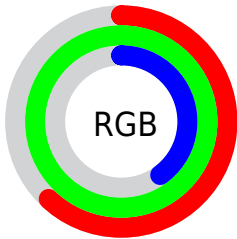
Format	Color
RYB	102, 255, 199
Decimal	10420070
CIELab	91.57, -54.07, 62.68
CIElCh	92, 82.775, 130.783
Yxy	79.7484, 0.3324, 0.5073
Android (android.graphics.Color)	4288610150 (0xFF9EFF66)
YUV	208.5550, -52.5316, -44.3367
Hunter-Lab	89.3020, -51.8316, 45.7808

Details

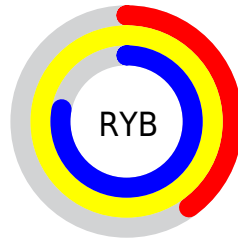
The Yxy color **79.7484, 0.3324, 0.5073** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **28.8570, 0.2680, 0.1669**, and the grayscale version is **63.8003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7403, 0.3441, 0.4328**, and **43.2227, 0.3291, 0.5514** is the 20% darker color. If you saturate the color by 10%, you get **77.7822, 0.3316, 0.5350**, and if you desaturate by 10%, it is **82.0796, 0.3315, 0.4765**.

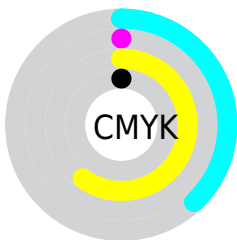
Distribution



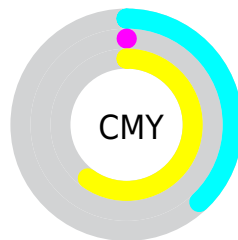
- Red (62%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (78%)



- Cyan (38%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.7484, 0.3324, 0.5073 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 79.7484, 0.3324, 0.5073 by changing the saturation by 10% instead.


 79.7484, 0.3324,
0.5073

 79.7484, 0.3324,
0.5073

494.0845, 0.3291,
0.4215

 59.5113, 0.3314,
0.5269


 133.0119, 0.3326,
0.4774

 43.0249, 0.3292,
0.5508


 166.8072, 0.3323,
0.4657

 29.9046, 0.3249,
0.5803


 205.8906, 0.3318,
0.4557

 19.7662, 0.3167,
0.6170

 250.6467, 0.3313,
0.4471

 12.2252, 0.3019,
0.6639

301.4597, 0.3308,
0.4395

 6.8973, 0.2751,
0.7249


358.7141, 0.3302,


 3.3979, 0.2193,


0.4328


0.7807


422.7942, 0.3296,
0.4268


 1.3428, 0.0000,
1.0000


 0.1740, 0.0000,
1.0000


 79.7484, 0.3324,
0.5073


 79.7484, 0.3324,
0.5073

 77.7822, 0.3316,
0.5350

 82.0796, 0.3315,
0.4765

 76.1672, 0.3289,
0.5578

 84.8060, 0.3292,
0.4445

 74.8736, 0.3246,
0.5744

 87.9434, 0.3259,
0.4128

 73.8644, 0.3191,
0.5848

 91.5096, 0.3218,
0.3826

 95.5212, 0.3173,
0.3545

99.9938, 0.3127,
0.3290

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.



79.7484, 0.4185, 0.4875



79.7484, 0.3324, 0.5073



79.7484, 0.2458, 0.4500

Triad

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



79.7484, 0.3324, 0.5073



79.7484, 0.1611, 0.2033



79.7484, 0.4564, 0.2957

Complementary

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



79.7484, 0.3324, 0.5073



28.8570, 0.2680, 0.1669

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.



79.7484, 0.3647, 0.2404



79.7484, 0.3324, 0.5073



79.7484, 0.1983, 0.1891

Square

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



79.7484, 0.3324, 0.5073



79.7484, 0.1552, 0.2525



79.7484, 0.2684, 0.2028



79.7484, 0.5006, 0.3600

Rectangle

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



79.7484, 0.3324, 0.5073



79.7484, 0.1999, 0.3794



79.7484, 0.2684, 0.2028



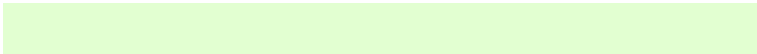
79.7484, 0.4292, 0.2759

Sweetspot

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



79.7453, 0.3324, 0.5073



92.2809, 0.3209, 0.3767



63.0139, 0.4315, 0.4246



19.5145, 0.3222, 0.3852



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.



79.7453, 0.3324, 0.5073



77.4344, 0.3312, 0.5400



75.7572, 0.2959, 0.5006



20.4917, 0.3171, 0.3532



38.6727, 0.3203, 0.5839



3.8248, 0.3289, 0.5770

Inverse Universe

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



28.8570, 0.2680, 0.1669



22.4439, 0.2560, 0.1401



36.7310, 0.3388, 0.2043



17.9486, 0.3079, 0.3052



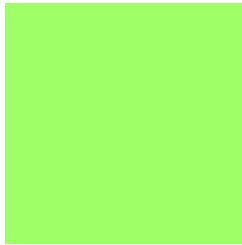
7.8559, 0.2306, 0.1044



0.8269, 0.2408, 0.1100

Previews

White Background



This preview shows how the Yxy color 79.7484, 0.3324, 0.5073 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 79.7484, 0.3324, 0.5073 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

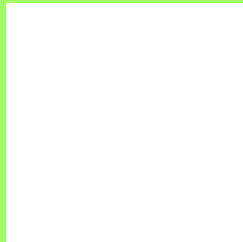
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.7484, 0.3324, 0.5073

Background



This preview shows how black text looks on a background with the Yxy color 79.7484, 0.3324, 0.5073.



This preview shows how white text looks on a background with the Yxy color 79.7484, 0.3324, 0.5073.

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

79.7484, 0.3324, 0.5073

Protanopia

78.7737, 0.4127, 0.4525

Deuteranopia

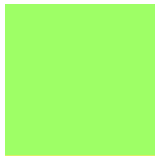
78.7413, 0.3598, 0.3668



Tritanopia

79.1879, 0.2730, 0.3105

Trichromacy



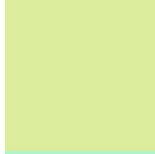
Original Color

79.7484, 0.3324, 0.5073



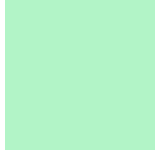
Protanomaly

77.8882, 0.3810, 0.4730



Deuteranomaly

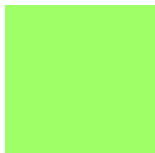
77.6409, 0.3514, 0.4159



Tritanomaly

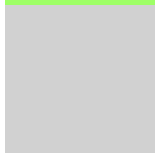
78.2899, 0.2973, 0.3815

Monochromacy



Original Color

79.7484, 0.3324, 0.5073



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.2421, 0.3234, 0.3963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7484, 0.3324, 0.5073 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(158, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(158, 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(158, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 79.7484, 0.3324, 0.5073 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(158, 255, 102) }
```

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

```
.border{ border-color:rgb(158, 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(158, 255, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(158, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 79.7484, 0.3324, 0.5073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 102) }
```

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

```
.background{ background-color: rgb(158,  
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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