

Converting Colors

Yxy(77.6883, 0.3176, 0.4907)

Have a look what the booklet for
Yxy(77.6883, 0.3176, 0.4907)
contains.

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Color

Yxy(77.6508, 0.3174, 0.4904)

Conversions

Conversions Part 1

Format	Color
Hex	91FD79
RGB	145, 253, 121
RGB Percent	57%, 99%, 47%
CMY	0.4313, 0.0078, 0.5254
CMYK	0.43, 0.00, 0.52, 0.01
HSL	109°, 97%, 73%
HSV	109°, 52%, 99%
XYZ	50.2577, 77.6508, 30.4333
YIQ	205.6600, -21.9960, -63.9480

Conversions

Conversions Part 2

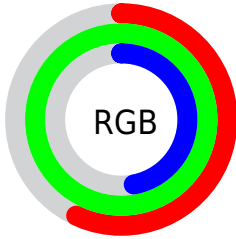
Format	Color
RYB	121, 253, 229
Decimal	9567609
CIELab	90.62, -55.25, 53.06
CIElCh	91, 76.605, 136.157
Yxy	77.6508, 0.3174, 0.4904
Android (android.graphics.Color)	4287757689 (0xFF91FD79)
YUV	205.6600, -41.7374, -53.1988
Hunter-Lab	88.1197, -52.4048, 41.2072

Details

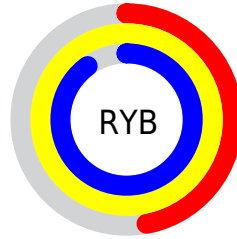
The Yxy color **77.6508, 0.3174, 0.4904** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **37.4281, 0.2971, 0.1955**, and the grayscale version is **61.7816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4920, 0.3257, 0.4160**, and **41.8756, 0.3126, 0.5317** is the 20% darker color. If you saturate the color by 10%, you get **75.4000, 0.3163, 0.5231**, and if you desaturate by 10%, it is **80.4135, 0.3177, 0.4561**.

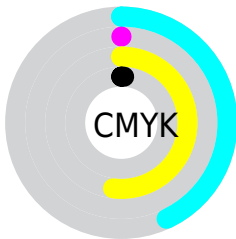
Distribution



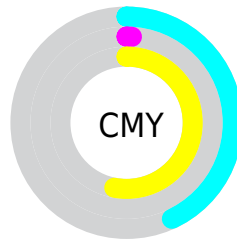
- Red (57%)
- Green (99%)
- Blue (47%)



- Red (47%)
- Yellow (99%)
- Blue (90%)



- Cyan (43%)
- Magenta (0%)
- Yellow (52%)
- Black (1%)




- Cyan (43%)
- Magenta (1%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.6508, 0.3174, 0.4904 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 77.6508, 0.3174, 0.4904 by changing the saturation by 10% instead.

 77.6508, 0.3174,
0.4904


 77.6508, 0.3174,
0.4904


486.9801, 0.3195,
0.4116


 57.7872, 0.3156,
0.5090


 130.0577, 0.3191,
0.4625

 41.6376, 0.3128,
0.5320


 163.3698, 0.3195,
0.4518

 28.8176, 0.3080,
0.5612


 201.9336, 0.3197,
0.4426

 18.9429, 0.2997,
0.5987

246.1333, 0.3198,
0.4347

 11.6290, 0.2851,
0.6478

296.3534, 0.3198,
0.4278

 6.4916, 0.2659,
0.7341


352.9783, 0.3197,


 3.1462, 0.2069,

0.4217

0.7931

416.3924, 0.3197,
0.4163


 1.2086, 0.0000,
1.0000


 0.0687, 0.0000,
1.0000


 77.6508, 0.3174,
0.4904


 77.6508, 0.3174,
0.4904


 75.4000, 0.3163,
0.5231


 80.4135, 0.3177,
0.4561


 73.6195, 0.3142,
0.5519


 83.7070, 0.3172,
0.4222

 72.2773, 0.3113,
0.5744


 87.5613, 0.3161,
0.3901

 71.3326, 0.3078,
0.5893

 92.0010, 0.3147,
0.3607

 70.8323, 0.3050,
0.5960

 97.0495, 0.3131,
0.3343

 98.7310, 0.3128,
0.3271

Harmonies

Analogous

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



77.6508, 0.4003, 0.4856



77.6508, 0.3174, 0.4904



77.6508, 0.2377, 0.4248

Triad

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



77.6508, 0.3174, 0.4904



77.6508, 0.1731, 0.2058



77.6508, 0.4586, 0.3090

Complementary

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



77.6508, 0.3174, 0.4904



37.4281, 0.2971, 0.1955

Split Complementary

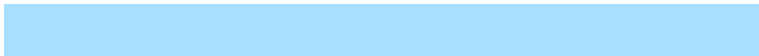
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.6508, 0.3785, 0.2539



77.6508, 0.3174, 0.4904



77.6508, 0.2144, 0.1969

Square

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



77.6508, 0.3174, 0.4904



77.6508, 0.1623, 0.2467



77.6508, 0.2863, 0.2143



77.6508, 0.4901, 0.3715

Rectangle

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



77.6508, 0.3174, 0.4904



77.6508, 0.1976, 0.3580



77.6508, 0.2863, 0.2143



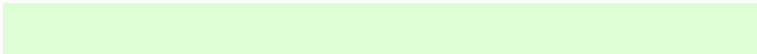
77.6508, 0.4358, 0.2894

Sweetspot

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



77.6541, 0.3174, 0.4904



91.8552, 0.3153, 0.3716



78.1940, 0.4007, 0.4356



19.4612, 0.3156, 0.3777



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.



77.6541, 0.3174, 0.4904



76.5877, 0.3161, 0.5258



76.9550, 0.2861, 0.4439



20.3270, 0.3143, 0.3534



37.7244, 0.3058, 0.5954



3.7139, 0.3123, 0.5902

Inverse Universe

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



37.4281, 0.2971, 0.1955



31.4206, 0.2922, 0.1720



39.2756, 0.3592, 0.2386



18.1235, 0.3109, 0.3054



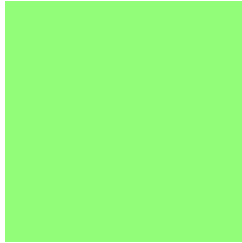
10.8867, 0.2752, 0.1289



1.1015, 0.2807, 0.1320

Previews

White Background



This preview shows how the Yxy color 77.6508, 0.3174, 0.4904 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 77.6508, 0.3174, 0.4904 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 77.6508, 0.3174, 0.4904

Background



This preview shows how black text looks on a background with the Yxy color 77.6508, 0.3174, 0.4904.



This preview shows how white text looks on a background with the Yxy color 77.6508, 0.3174, 0.4904.

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

77.6508, 0.3174, 0.4904

Protanopia

76.6173, 0.4051, 0.4423

Deuteranopia

76.3503, 0.3651, 0.3690



Tritanopia

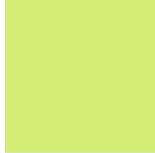
77.0185, 0.2658, 0.3090

Trichromacy



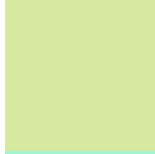
Original Color

77.6508, 0.3174, 0.4904



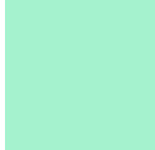
Protanomaly

75.2258, 0.3695, 0.4614



Deuteranomaly

75.2630, 0.3466, 0.4108



Tritanomaly

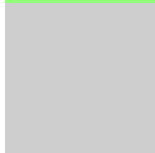
76.5567, 0.2859, 0.3728

Monochromacy



Original Color

77.6508, 0.3174, 0.4904



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.0608, 0.3162, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.6508, 0.3174, 0.4904 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(145, 253, 121)` looks like.

```
.text, #text, p{  
    color:rgb(145, 253, 121)  
}
```

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(145, 253, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 253, 121) }
```

Border

The CSS property to change the border of an element to Yxy 77.6508, 0.3174, 0.4904 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(145, 253, 121) }
```

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

```
.border{ border-color:rgb(145, 253, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 253, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 253, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 253, 121);  
box-shadow:4px 4px 4px 4px rgb(145, 253,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 77.6508, 0.3174, 0.4904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 253, 121) }
```

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

```
.background{ background-color: rgb(145,  
253, 121) }
```

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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