

Converting Colors

$Yxy(79.1789, 0.3014, 0.4604)$

Have a look what the booklet for
Yxy(79.1789, 0.3014, 0.4604)
contains.

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Color

Yxy(79.1789, 0.3014, 0.4604)

Conversions

Conversions Part 1

Format	Color
Hex	8BFF95
RGB	139, 255, 149
RGB Percent	55%, 100%, 58%
CMY	0.4547, 0.0000, 0.4159
CMYK	0.45, 0.00, 0.42, 0.00
HSL	125°, 100%, 77%
HSV	125°, 45%, 100%
XYZ	51.8343, 79.1789, 40.9653
YIQ	208.2320, -35.1100, -57.5580

Conversions

Conversions Part 2

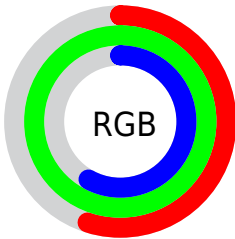
Format	Color
RYB	139, 246, 255
Decimal	9174933
CIELab	91.32, -54.06, 40.64
CIElCh	91, 67.635, 143.064
Yxy	79.1789, 0.3014, 0.4604
Android (android.graphics.Color)	4287365013 (0xFF8BFF95)
YUV	208.2320, -29.2014, -60.7165
Hunter-Lab	88.9825, -51.7392, 34.9922

Details

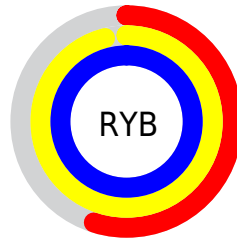
The Yxy color **79.1789, 0.3014, 0.4604** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **46.3351, 0.3264, 0.2258**, and the grayscale version is **63.4498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8854, 0.3065, 0.3851**, and **42.4578, 0.2948, 0.4938** is the 20% darker color. If you saturate the color by 10%, you get **76.5637, 0.2994, 0.4943**, and if you desaturate by 10%, it is **82.4595, 0.3037, 0.4270**.

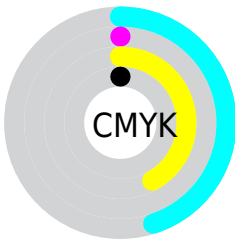
Distribution



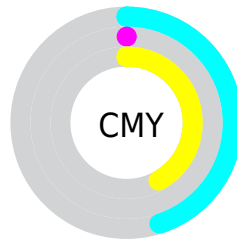
- Red (55%)
- Green (100%)
- Blue (58%)



- Red (55%)
- Yellow (96%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (45%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.1789, 0.3014, 0.4604 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 79.1789, 0.3014, 0.4604 by changing the saturation by 10% instead.

 79.1789, 0.3014,
0.4604

 79.1789, 0.3014,
0.4604


492.1613, 0.3092,
0.3962

 59.0429, 0.2989,
0.4757


 132.2107, 0.3047,
0.4376

 42.6477, 0.2954,
0.4949


 165.8753, 0.3058,
0.4288

 29.6088, 0.2904,
0.5196


204.8182, 0.3067,
0.4214

 19.5418, 0.2828,
0.5522

249.4238, 0.3074,
0.4150

 12.0624, 0.2705,
0.5969

300.0765, 0.3080,
0.4094

 6.7862, 0.2491,
0.6602


357.1608, 0.3085,


 3.3288, 0.2176,


0.4045


0.7824

421.0609, 0.3089,
0.4001


 1.3057, 0.0000,
1.0000


 0.1456, 0.0000,
1.0000


 79.1789, 0.3014,
0.4604

 79.1789, 0.3014,
0.4604


 76.5637, 0.2994,
0.4943


 82.4595, 0.3037,
0.4270


 74.5623, 0.2981,
0.5266

 86.4397, 0.3063,
0.3956

 73.1262, 0.2974,
0.5550

 91.1592, 0.3089,
0.3670

 72.1965, 0.2976,
0.5771

 96.6531, 0.3114,
0.3416

■ 71.7011, 0.2984,
0.5916

100.0000, 0.3127,
0.3290

■ 71.5772, 0.2988,
0.5957

Harmonies

Analogous

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



79.1789, 0.3766, 0.4729



79.1789, 0.3014, 0.4604



79.1789, 0.2333, 0.3930

Triad

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



79.1789, 0.3014, 0.4604



79.1789, 0.1935, 0.2147



79.1789, 0.4517, 0.3254

Complementary

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



79.1789, 0.3014, 0.4604



46.3351, 0.3264, 0.2258

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.



79.1789, 0.3893, 0.2727



79.1789, 0.3014, 0.4604



79.1789, 0.2379, 0.2118

Square

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



79.1789, 0.3014, 0.4604



79.1789, 0.1772, 0.2457



79.1789, 0.3080, 0.2326



79.1789, 0.4689, 0.3832

Rectangle

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



79.1789, 0.3014, 0.4604



79.1789, 0.2011, 0.3354



79.1789, 0.3080, 0.2326



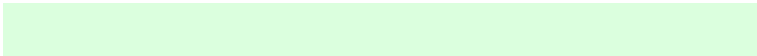
79.1789, 0.4350, 0.3070

Sweetspot

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



79.1811, 0.3014, 0.4604



91.9195, 0.3092, 0.3631



92.8584, 0.3736, 0.4437



19.4376, 0.3087, 0.3689



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

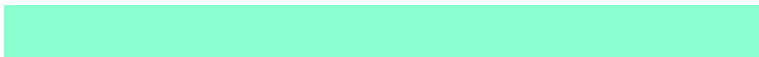
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.1811, 0.3014, 0.4604



76.6735, 0.2995, 0.4927



81.5021, 0.2736, 0.3869



20.1934, 0.3104, 0.3514



37.4092, 0.2985, 0.5945



3.6506, 0.2952, 0.5828

Inverse Universe

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



46.3351, 0.3264, 0.2258



39.9361, 0.3298, 0.2073



43.3405, 0.3831, 0.2791



18.2720, 0.3151, 0.3076



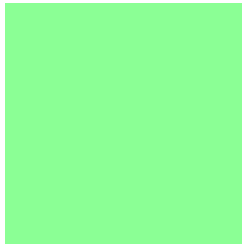
14.2000, 0.3437, 0.1667



1.3902, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 79.1789, 0.3014, 0.4604 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 79.1789, 0.3014, 0.4604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

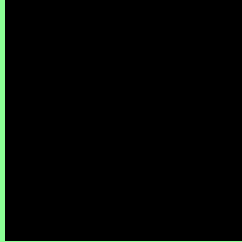
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.1789, 0.3014, 0.4604

Background



This preview shows how black text looks on a background with the Yxy color 79.1789, 0.3014, 0.4604.

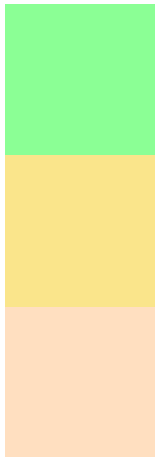


This preview shows how white text looks on a background with the Yxy color 79.1789, 0.3014, 0.4604.

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

79.1789, 0.3014, 0.4604

Protanopia

78.2267, 0.3875, 0.4204

Deuteranopia

77.8411, 0.3575, 0.3607



Tritanopia

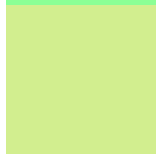
78.5367, 0.2676, 0.3113

Trichromacy



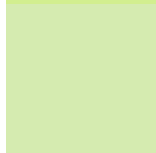
Original Color

79.1789, 0.3014, 0.4604



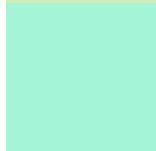
Protanomaly

76.8339, 0.3519, 0.4353



Deuteranomaly

76.6974, 0.3347, 0.3951



Tritanomaly

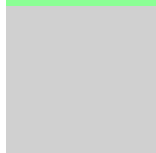
78.1552, 0.2802, 0.3629

Monochromacy



Original Color

79.1789, 0.3014, 0.4604



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.5056, 0.3078, 0.3749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.1789, 0.3014, 0.4604 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(139, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(139, 255, 149)  
}
```

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(139, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 255, 149) }
```

Border

The CSS property to change the border of an element to Yxy 79.1789, 0.3014, 0.4604 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(139, 255, 149) }
```

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

```
.border{ border-color:rgb(139, 255, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 255, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(139, 255,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 79.1789, 0.3014, 0.4604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 255, 149) }
```

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

```
.background{ background-color: rgb(139,  
255, 149) }
```

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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