

Converting Colors

$Yxy(79.7316, 0.3138, 0.4750)$

Have a look what the booklet for
Yxy(79.7316, 0.3138, 0.4750)
contains.

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Color

Yxy(79.7533, 0.3138, 0.4747)

Conversions

Conversions Part 1

Format	Color
Hex	96FF87
RGB	150, 255, 135
RGB Percent	59%, 100%, 53%
CMY	0.4115, 0.0000, 0.4706
CMYK	0.41, 0.00, 0.47, 0.00
HSL	112°, 100%, 76%
HSV	112°, 47%, 100%
XYZ	52.7208, 79.7533, 35.5336
YIQ	209.9250, -24.0600, -59.5800

Conversions

Conversions Part 2

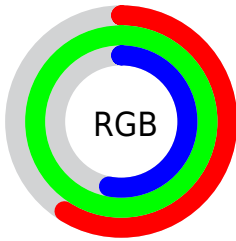
Format	Color
RYB	135, 255, 240
Decimal	9895815
CIELab	91.57, -52.86, 47.78
CIELCh	92, 71.252, 137.893
Yxy	79.7533, 0.3138, 0.4747
Android (android.graphics.Color)	4288085895 (0xFF96FF87)
YUV	209.9250, -36.9380, -52.5542
Hunter-Lab	89.3047, -50.9061, 38.9223

Details

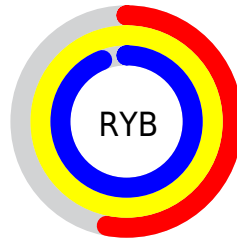
The Yxy color **79.7533, 0.3138, 0.4747** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.0557, 0.3050, 0.2097**, and the grayscale version is **64.6685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6476, 0.3204, 0.3997**, and **42.8170, 0.3098, 0.5122** is the 20% darker color. If you saturate the color by 10%, you get **77.2034, 0.3127, 0.5092**, and if you desaturate by 10%, it is **82.8844, 0.3143, 0.4397**.

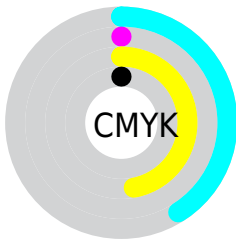
Distribution



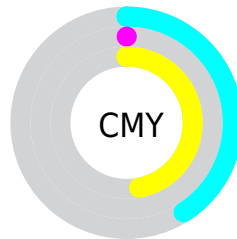
- Red (59%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (94%)



- Cyan (41%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.7533, 0.3138, 0.4747 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 79.7533, 0.3138, 0.4747 by changing the saturation by 10% instead.


 79.7533, 0.3138,
0.4747

 79.7533, 0.3138,
0.4747


494.1011, 0.3167,
0.4038


 59.5154, 0.3122,
0.4914


 133.0188, 0.3156,
0.4496

 43.0281, 0.3096,
0.5122


 166.8152, 0.3160,
0.4400

 29.9072, 0.3055,
0.5387


 205.8999, 0.3163,
0.4318

 19.7681, 0.2987,
0.5731

250.6572, 0.3165,
0.4247

 12.2266, 0.2868,
0.6191

301.4716, 0.3166,
0.4185

 6.8982, 0.2669,
0.6867


358.7274, 0.3167,


 3.3985, 0.2251,


0.4130


0.7749


422.8091, 0.3167,
0.4082


 1.3432, 0.0000,
1.0000


 0.1743, 0.0000,
1.0000


 79.7533, 0.3138,
0.4747

 79.7533, 0.3138,
0.4747


 77.2034, 0.3127,
0.5092

 82.8844, 0.3143,
0.4397


 75.1892, 0.3110,
0.5407

 86.6187, 0.3143,
0.4061

 73.6746, 0.3087,
0.5669

 90.9897, 0.3139,
0.3750

 72.6149, 0.3060,
0.5855

 96.0252, 0.3133,
0.3469

■ 71.9563, 0.3033,
0.5959

99.9962, 0.3127,
0.3290

■ 71.8241, 0.3026,
0.5979

Harmonies

Analogous

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



79.7533, 0.3915, 0.4762



79.7533, 0.3138, 0.4747



79.7533, 0.2401, 0.4116

Triad

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



79.7533, 0.3138, 0.4747



79.7533, 0.1835, 0.2130



79.7533, 0.4504, 0.3146

Complementary

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



79.7533, 0.3138, 0.4747



43.0557, 0.3050, 0.2097

Split Complementary

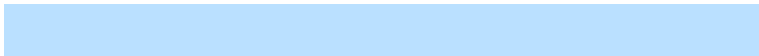
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.7533, 0.3786, 0.2618



79.7533, 0.3138, 0.4747



79.7533, 0.2244, 0.2056

Square

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



79.7533, 0.3138, 0.4747



79.7533, 0.1716, 0.2502



79.7533, 0.2933, 0.2232



79.7533, 0.4771, 0.3740

Rectangle

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



79.7533, 0.3138, 0.4747



79.7533, 0.2032, 0.3509



79.7533, 0.2933, 0.2232



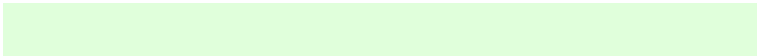
79.7533, 0.4302, 0.2959

Sweetspot

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



79.7567, 0.3138, 0.4747



92.4636, 0.3138, 0.3660



84.7375, 0.3893, 0.4313



19.5679, 0.3139, 0.3723



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

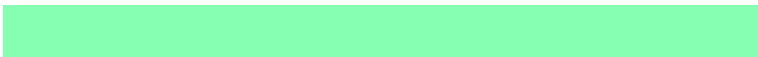
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7567, 0.3138, 0.4747



77.4519, 0.3128, 0.5056



79.9211, 0.2850, 0.4228



20.2775, 0.3135, 0.3534



37.5654, 0.3032, 0.5975



3.6904, 0.3086, 0.5932

Inverse Universe

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



43.0557, 0.3050, 0.2097



36.8659, 0.3027, 0.1897



43.2881, 0.3592, 0.2521



18.1777, 0.3118, 0.3054



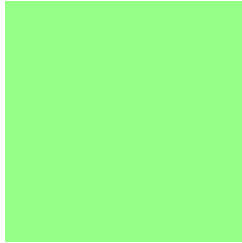
12.0111, 0.2893, 0.1367



1.2005, 0.2931, 0.1388

Previews

White Background



This preview shows how the Yxy color 79.7533, 0.3138, 0.4747 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 79.7533, 0.3138, 0.4747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

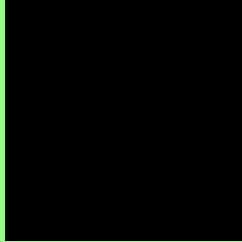
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.7533, 0.3138, 0.4747

Background



This preview shows how black text looks on a background with the Yxy color 79.7533, 0.3138, 0.4747.



This preview shows how white text looks on a background with the Yxy color 79.7533, 0.3138, 0.4747.

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

79.7533, 0.3138, 0.4747

Protanopia

78.7954, 0.3964, 0.4326

Deuteranopia

78.3771, 0.3572, 0.3617



Tritanopia

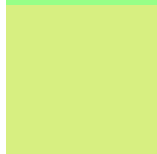
79.2673, 0.2709, 0.3115

Trichromacy



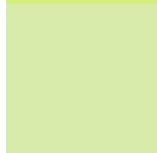
Original Color

79.7533, 0.3138, 0.4747



Protanomaly

77.7651, 0.3631, 0.4493



Deuteranomaly

77.1086, 0.3408, 0.4001



Tritanomaly

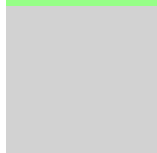
78.7786, 0.2873, 0.3685

Monochromacy



Original Color

79.7533, 0.3138, 0.4747



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.5030, 0.3137, 0.3805

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7533, 0.3138, 0.4747 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(150, 255, 135)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 135)  
}
```

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(150, 255, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 135) }
```

Border

The CSS property to change the border of an element to Yxy 79.7533, 0.3138, 0.4747 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(150, 255, 135) }
```

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

```
.border{ border-color:rgb(150, 255, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 135);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 79.7533, 0.3138, 0.4747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 135) }
```

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

```
.background{ background-color: rgb(150,  
255, 135) }
```

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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