

Converting Colors

$Y_{xy}(79.5170, 0.3114, 0.4735)$

Have a look what the booklet for
Yxy(79.5170, 0.3114, 0.4735)
contains.

Yxy(79.5292, 0.3112, 0.4731)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(79.5292, 0.3112, 0.4731)

Conversions

Conversions Part 1

Format	Color
Hex	93FF89
RGB	147, 255, 137
RGB Percent	58%, 100%, 54%
CMY	0.4234, 0.0000, 0.4627
CMYK	0.42, 0.00, 0.46, 0.00
HSL	115°, 100%, 77%
HSV	115°, 46%, 100%
XYZ	52.3134, 79.5292, 36.2597
YIQ	209.2560, -26.4900, -59.5940

Conversions

Conversions Part 2

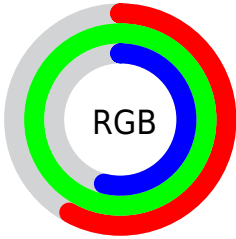
Format	Color
RYB	137, 255, 245
Decimal	9699209
CIELab	91.47, -53.49, 46.67
CIElCh	91, 70.986, 138.894
Yxy	79.5292, 0.3112, 0.4731
Android (android.graphics.Color)	4287889289 (0xFF93FF89)
YUV	209.2560, -35.6222, -54.5985
Hunter-Lab	89.1791, -51.3535, 38.3185

Details

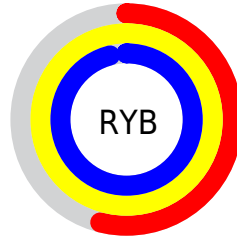
The Yxy color **79.5292, 0.3112, 0.4731** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **44.5165, 0.3093, 0.2131**, and the grayscale version is **64.1944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4476, 0.3180, 0.3977**, and **42.6473, 0.3064, 0.5107** is the 20% darker color. If you saturate the color by 10%, you get **76.9419, 0.3099, 0.5081**, and if you desaturate by 10%, it is **82.7335, 0.3121, 0.4378**.

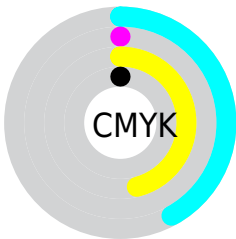
Distribution



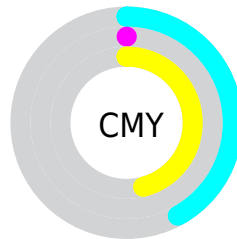
- Red (58%)
- Green (100%)
- Blue (54%)



- Red (54%)
- Yellow (100%)
- Blue (96%)



- Cyan (42%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.5292, 0.3112, 0.4731 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 79.5292, 0.3112, 0.4731 by changing the saturation by 10% instead.

 79.5292, 0.3112,
0.4731


 79.5292, 0.3112,
0.4731


493.3448, 0.3152,
0.4029


 59.3310, 0.3094,
0.4897


 132.7036, 0.3133,
0.4482

 42.8796, 0.3066,
0.5104


 166.4486, 0.3139,
0.4387

 29.7907, 0.3022,
0.5368


 205.4780, 0.3144,
0.4305

 19.6798, 0.2951,
0.5713


250.1762, 0.3147,
0.4235

 12.1625, 0.2829,
0.6175

300.9276, 0.3149,
0.4174

 6.8544, 0.2622,
0.6847


358.1166, 0.3150,


 3.3712, 0.2214,


0.4120


0.7786

422.1275, 0.3151,
0.4072


 1.3285, 0.0000,
1.0000


 0.1631, 0.0000,
1.0000


 79.5292, 0.3112,
0.4731


 79.5292, 0.3112,
0.4731


 76.9419, 0.3099,
0.5081


 82.7335, 0.3121,
0.4378

 74.9225, 0.3082,
0.5403

 86.5803, 0.3126,
0.4039

 73.4309, 0.3062,
0.5670

 91.1057, 0.3128,
0.3728

 72.4174, 0.3040,
0.5860

 96.3402, 0.3128,
0.3448

■ 71.8222, 0.3020,
0.5965

99.9994, 0.3127,
0.3290

■ 71.6866, 0.3014,
0.5989

Harmonies

Analogous

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



79.5292, 0.3889, 0.4766



79.5292, 0.3112, 0.4731



79.5292, 0.2381, 0.4085

Triad

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



79.5292, 0.3112, 0.4731



79.5292, 0.1846, 0.2125



79.5292, 0.4517, 0.3166

Complementary

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



79.5292, 0.3112, 0.4731



44.5165, 0.3093, 0.2131

Split Complementary

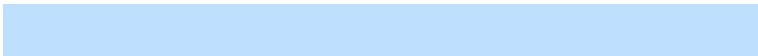
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.5292, 0.3813, 0.2635



79.5292, 0.3112, 0.4731



79.5292, 0.2265, 0.2061

Square

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



79.5292, 0.3112, 0.4731



79.5292, 0.1719, 0.2487



79.5292, 0.2961, 0.2244



79.5292, 0.4766, 0.3760

Rectangle

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



79.5292, 0.3112, 0.4731



79.5292, 0.2020, 0.3478



79.5292, 0.2961, 0.2244



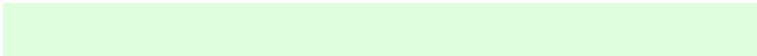
79.5292, 0.4321, 0.2978

Sweetspot

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



79.5326, 0.3112, 0.4731



92.2333, 0.3129, 0.3661



87.2865, 0.3863, 0.4330



19.5127, 0.3128, 0.3724



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

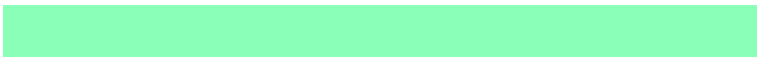
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.5326, 0.3112, 0.4731



77.0057, 0.3099, 0.5072



80.3070, 0.2835, 0.4158



20.2420, 0.3128, 0.3535



37.4833, 0.3019, 0.5985



3.6737, 0.3058, 0.5954

Inverse Universe

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



44.5165, 0.3093, 0.2131



37.8802, 0.3079, 0.1919



43.6958, 0.3621, 0.2571



18.2171, 0.3124, 0.3055



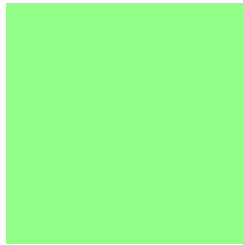
12.8837, 0.2996, 0.1424



1.2766, 0.3021, 0.1438

Previews

White Background



This preview shows how the Yxy color 79.5292, 0.3112, 0.4731 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 79.5292, 0.3112, 0.4731 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

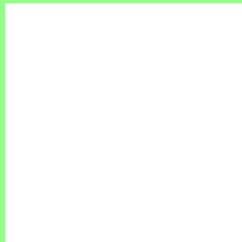
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.5292, 0.3112, 0.4731

Background



This preview shows how black text looks on a background with the Yxy color 79.5292, 0.3112, 0.4731.

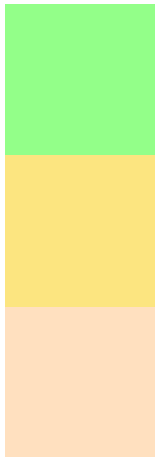


This preview shows how white text looks on a background with the Yxy color 79.5292, 0.3112, 0.4731.

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

79.5292, 0.3112, 0.4731

Protanopia

78.2926, 0.3957, 0.4300

Deuteranopia

78.3329, 0.3579, 0.3627



Tritanopia

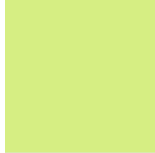
79.0203, 0.2698, 0.3114

Trichromacy



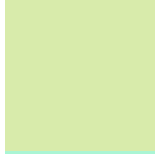
Original Color

79.5292, 0.3112, 0.4731



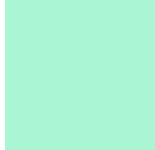
Protanomaly

77.0839, 0.3617, 0.4467



Deuteranomaly

76.9559, 0.3400, 0.4002



Tritanomaly

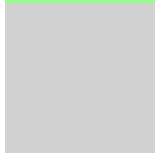
78.6043, 0.2856, 0.3674

Monochromacy



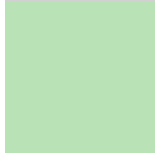
Original Color

79.5292, 0.3112, 0.4731



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.2507, 0.3123, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.5292, 0.3112, 0.4731 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(147, 255, 137)` looks like.

```
.text, #text, p{  
    color:rgb(147, 255, 137)  
}
```

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(147, 255, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 255, 137) }
```

Border

The CSS property to change the border of an element to Yxy 79.5292, 0.3112, 0.4731 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(147, 255, 137) }
```

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

```
.border{ border-color:rgb(147, 255, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 255, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 255, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 255, 137);  
box-shadow:4px 4px 4px 4px rgb(147, 255,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 79.5292, 0.3112, 0.4731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 255, 137) }
```

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

```
.background{ background-color: rgb(147,  
255, 137) }
```

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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