

# Converting Colors

$Y_{xy}(79.7501, 0.3252, 0.4947)$

Have a look what the booklet for  
Yxy(79.7501, 0.3252, 0.4947)  
contains.

<b>Yxy(79.7495, 0.3250, 0.4943)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(79.7495, 0.3250, 0.4943)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BFF74
RGB	155, 255, 116
RGB Percent	61%, 100%, 45%
CMY	0.3920, 0.0000, 0.5451
CMYK	0.39, 0.00, 0.55, 0.00
HSL	103°, 100%, 73%
HSV	103°, 55%, 100%
XYZ	52.4349, 79.7495, 29.1538
YIQ	209.2540, -14.9810, -64.4290

# Conversions

## Conversions Part 2

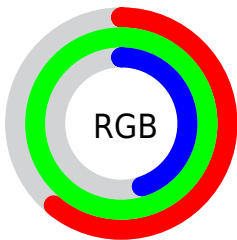
Format	Color
<a href="#">RYB</a>	<a href="#">116, 255, 216</a>
Decimal	<a href="#">10223476</a>
CIELab	<a href="#">91.57, -53.60, 56.56</a>
CIElCh	<a href="#">92, 77.924, 133.458</a>
Yxy	<a href="#">79.7495, 0.3250, 0.4943</a>
Android (android.graphics.Color)	<a href="#">4288413556 (0xFF9BFF74)</a>
YUV	<a href="#">209.2540, -45.9742, -47.5808</a>
Hunter-Lab	<a href="#">89.3026, -51.4714, 43.1559</a>

# Details

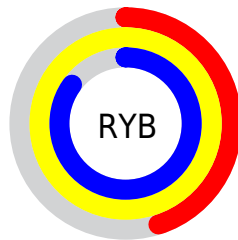
The Yxy color **79.7495, 0.3250, 0.4943** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **34.3076, 0.2838, 0.1851**, and the grayscale version is **64.2555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7564, 0.3349, 0.4196**, and **43.2774, 0.3217, 0.5355** is the 20% darker color. If you saturate the color by 10%, you get **77.5592, 0.3243, 0.5252**, and if you desaturate by 10%, it is **82.3850, 0.3244, 0.4614**.

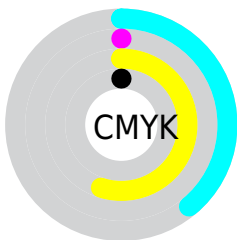
# Distribution



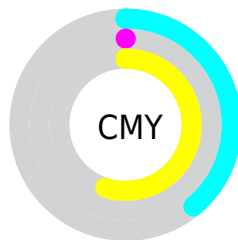
- Red (61%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (85%)



- Cyan (39%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)




- Cyan (39%)
- Magenta (0%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.7495, 0.3250, 0.4943 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 79.7495, 0.3250, 0.4943 by changing the saturation by 10% instead.



 79.7495, 0.3250,  
0.4943

 79.7495, 0.3250,  
0.4943


494.0882, 0.3240,  
0.4143

 59.5122, 0.3238,  
0.5129

 133.0135, 0.3257,  
0.4662

 43.0256, 0.3216,  
0.5357


 166.8090, 0.3257,  
0.4553

 29.9052, 0.3176,  
0.5643


 205.8927, 0.3255,  
0.4460

 19.7666, 0.3102,  
0.6007

250.6490, 0.3253,  
0.4380

 12.2255, 0.2965,  
0.6474

301.4624, 0.3250,  
0.4309

 6.8975, 0.2769,  
0.7231


358.7171, 0.3247,


 3.3981, 0.2216,

0.4247

0.7784


422.7976, 0.3244,  
0.4192


 1.3429, 0.0000,  
1.0000


 0.1741, 0.0000,  
1.0000


 79.7495, 0.3250,  
0.4943

 79.7495, 0.3250,  
0.4943

 77.5592, 0.3243,  
0.5252

 82.3850, 0.3244,  
0.4614

 75.7780, 0.3221,  
0.5519

 85.4794, 0.3227,  
0.4284

 74.3798, 0.3186,  
0.5725

 89.0578, 0.3203,  
0.3966

 73.3308, 0.3140,  
0.5861

 93.1408, 0.3174,  
0.3671

 72.8822, 0.3114,  
0.5910

 97.7476, 0.3142,  
0.3402

99.9998, 0.3127,  
0.3290

# Harmonies

## Analogous

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



79.7495, 0.4077, 0.4835



79.7495, 0.3250, 0.4943



79.7495, 0.2435, 0.4340

# Triad

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



79.7495, 0.3250, 0.4943



79.7495, 0.1700, 0.2072



79.7495, 0.4541, 0.3034

# Complementary

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



79.7495, 0.3250, 0.4943



34.3076, 0.2838, 0.1851

# 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.



79.7495, 0.3705, 0.2490



79.7495, 0.3250, 0.4943



79.7495, 0.2087, 0.1957

# Square

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



79.7495, 0.3250, 0.4943



79.7495, 0.1618, 0.2516



79.7495, 0.2784, 0.2110



79.7495, 0.4911, 0.3658



# Rectangle

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



79.7495, 0.3250, 0.4943



79.7495, 0.2013, 0.3674



79.7495, 0.2784, 0.2110



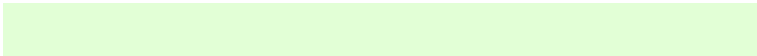
79.7495, 0.4298, 0.2840

# Sweetspot

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



79.7529, 0.3250, 0.4943



92.4984, 0.3178, 0.3713



71.4377, 0.4123, 0.4278



19.6130, 0.3185, 0.3773



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.



79.7529, 0.3250, 0.4943



77.4621, 0.3242, 0.5266



77.3126, 0.2917, 0.4683



20.4150, 0.3158, 0.3533



38.1467, 0.3124, 0.5902



3.7663, 0.3204, 0.5838



# Inverse Universe

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



34.3076, 0.2838, 0.1851



27.8832, 0.2760, 0.1610



39.1825, 0.3475, 0.2230



18.0290, 0.3093, 0.3053



9.1377, 0.2507, 0.1155

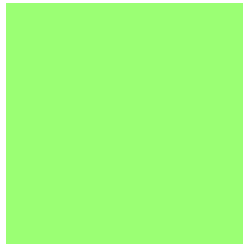


0.9447, 0.2590, 0.1200



# Previews

## White Background



This preview shows how the Yxy color 79.7495, 0.3250, 0.4943 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

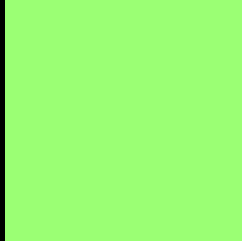
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.7495, 0.3250, 0.4943 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 79.7495, 0.3250, 0.4943**

## Background



This preview shows how black text looks on a background with the Yxy color 79.7495, 0.3250, 0.4943.



This preview shows how white text looks on a background with the Yxy color 79.7495, 0.3250, 0.4943.

# 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

79.7495, 0.3250, 0.4943

### Protanopia

78.7472, 0.4079, 0.4469

### Deuteranopia

78.7846, 0.3591, 0.3657



## Tritanopia

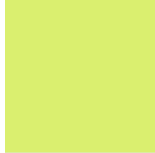
79.0604, 0.2724, 0.3105

# Trichromacy



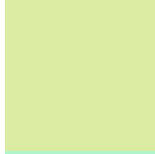
## Original Color

79.7495, 0.3250, 0.4943



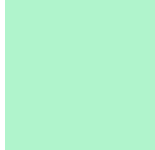
## Protanomaly

77.7861, 0.3747, 0.4653



## Deuteranomaly

77.6596, 0.3476, 0.4107



## Tritanomaly

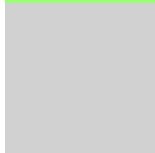
78.2911, 0.2934, 0.3756

# Monochromacy



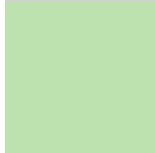
## Original Color

79.7495, 0.3250, 0.4943



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

68.3067, 0.3195, 0.3903

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.7495, 0.3250, 0.4943 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(155, 255, 116)` looks like.

```
.text, #text, p{  
    color:rgb(155, 255, 116)  
}
```

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(155, 255, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 255, 116) }
```

## Border

The CSS property to change the border of an element to Yxy 79.7495, 0.3250, 0.4943 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(155, 255, 116) }
```

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

```
.border{ border-color:rgb(155, 255, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 255, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 255, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 255, 116);  
box-shadow:4px 4px 4px 4px rgb(155, 255,  
116) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.7495, 0.3250, 0.4943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 255, 116) }
```

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

```
.background{ background-color: rgb(155,  
255, 116) }
```

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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