

Converting Colors

$Yxy(77.1701, 0.3189, 0.4733)$

Have a look what the booklet for
Yxy(77.1701, 0.3189, 0.4733)
contains.

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Color

Yxy(77.0057, 0.3185, 0.4729)

Conversions

Conversions Part 1

Format	Color
Hex	9BFA84
RGB	155, 250, 132
RGB Percent	61%, 98%, 52%
CMY	0.3923, 0.0196, 0.4823
CMYK	0.38, 0.00, 0.47, 0.02
HSL	108°, 92%, 75%
HSV	108°, 47%, 98%
XYZ	51.8636, 77.0057, 33.9678
YIQ	208.1430, -18.7420, -56.8380

Conversions

Conversions Part 2

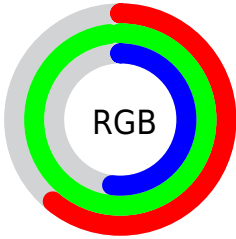
Format	Color
RYB	132, 250, 227
Decimal	10222212
CIELab	90.32, -49.71, 47.67
CIElCh	90, 68.878, 136.199
Yxy	77.0057, 0.3185, 0.4729
Android (android.graphics.Color)	4288412292 (0xFF9BFA84)
YUV	208.1430, -37.5385, -46.6064
Hunter-Lab	87.7529, -48.0706, 38.4768

Details

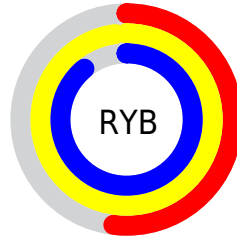
The Yxy color **77.0057, 0.3185, 0.4729** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **39.7552, 0.2979, 0.2070**, and the grayscale version is **63.4290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2540, 0.3253, 0.4023**, and **41.3011, 0.3157, 0.5109** is the 20% darker color. If you saturate the color by 10%, you get **74.5757, 0.3179, 0.5065**, and if you desaturate by 10%, it is **79.9386, 0.3182, 0.4387**.

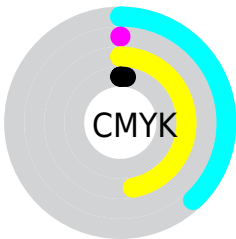
Distribution



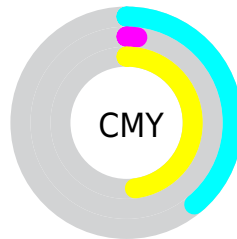
- Red (61%)
- Green (98%)
- Blue (52%)



- Red (52%)
- Yellow (98%)
- Blue (89%)



- Cyan (38%)
- Magenta (0%)
- Yellow (47%)
- Black (2%)



- Cyan (39%)
- Magenta (2%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.0057, 0.3185, 0.4729 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 77.0057, 0.3185, 0.4729 by changing the saturation by 10% instead.


 77.0057, 0.3185,
0.4729


 77.0057, 0.3185,
0.4729


484.7835, 0.3192,
0.4027


 57.2576, 0.3173,
0.4895

 129.1475, 0.3195,
0.4480

 41.2121, 0.3154,
0.5102

 162.3100, 0.3197,
0.4385

 28.4848, 0.3120,
0.5365


 200.7127, 0.3197,
0.4303

 18.6914, 0.3059,
0.5709

244.7400, 0.3197,
0.4233

 11.4475, 0.2948,
0.6167

294.7764, 0.3196,
0.4172

 6.3687, 0.2771,
0.6881


351.2061, 0.3195,


 3.0705, 0.2320,

0.4118

0.7680


414.4137, 0.3193,
0.4070


 1.1687, 0.0000,
1.0000


 0.0359, 0.0000,
1.0000

 77.0057, 0.3185,
0.4729


 77.0057, 0.3185,
0.4729


 74.5757, 0.3179,
0.5065


 79.9386, 0.3182,
0.4387


 72.6103, 0.3164,
0.5375

 83.3907, 0.3173,
0.4057

 71.0815, 0.3138,
0.5633

 87.3893, 0.3158,
0.3750

 69.9537, 0.3105,
0.5822

 91.9571, 0.3141,
0.3472

■ 69.1844, 0.3067,
0.5933

■ 96.8576, 0.3129,
0.3243

■ 69.0207, 0.3057,
0.5955

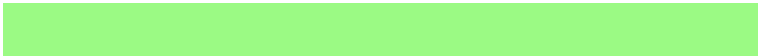
Harmonies

Analogous

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



77.0057, 0.3942, 0.4717



77.0057, 0.3185, 0.4729



77.0057, 0.2453, 0.4143

Triad

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



77.0057, 0.3185, 0.4729



77.0057, 0.1844, 0.2164



77.0057, 0.4443, 0.3120

Complementary

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



77.0057, 0.3185, 0.4729



39.7552, 0.2979, 0.2070

Split Complementary

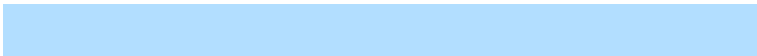
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.0057, 0.3726, 0.2605



77.0057, 0.3185, 0.4729



77.0057, 0.2231, 0.2075

Square

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



77.0057, 0.3185, 0.4729



77.0057, 0.1744, 0.2551



77.0057, 0.2894, 0.2236



77.0057, 0.4736, 0.3703

Rectangle

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



77.0057, 0.3185, 0.4729



77.0057, 0.2080, 0.3557



77.0057, 0.2894, 0.2236



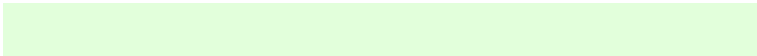
77.0057, 0.4239, 0.2937

Sweetspot

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



77.0090, 0.3185, 0.4729



92.8579, 0.3153, 0.3659



76.6103, 0.3930, 0.4247



19.6627, 0.3157, 0.3721



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.



77.0090, 0.3185, 0.4729



78.0334, 0.3179, 0.5061



76.0908, 0.2889, 0.4333



19.4716, 0.3145, 0.3533



36.6537, 0.3065, 0.5949



3.4363, 0.3137, 0.5891

Inverse Universe

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



39.7552, 0.2979, 0.2070



34.5858, 0.2933, 0.1838



41.7218, 0.3512, 0.2446



17.3441, 0.3107, 0.3054



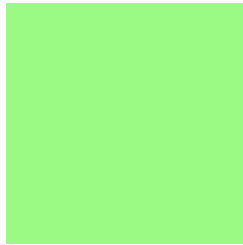
10.3382, 0.2721, 0.1272



0.9996, 0.2782, 0.1306

Previews

White Background



This preview shows how the Yxy color 77.0057, 0.3185, 0.4729 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 77.0057, 0.3185, 0.4729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

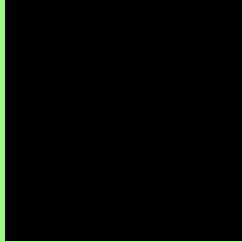
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

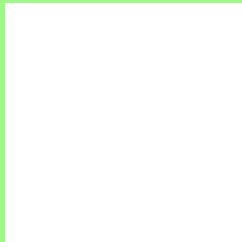
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.0057, 0.3185, 0.4729

Background



This preview shows how black text looks on a background with the Yxy color 77.0057, 0.3185, 0.4729.



This preview shows how white text looks on a background with the Yxy color 77.0057, 0.3185, 0.4729.

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

77.0057, 0.3185, 0.4729

Protanopia

75.9877, 0.3973, 0.4319

Deuteranopia

75.8238, 0.3654, 0.3680



Tritanopia

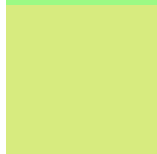
76.5580, 0.2662, 0.3079

Trichromacy



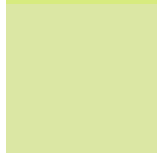
Original Color

77.0057, 0.3185, 0.4729



Protanomaly

75.3960, 0.3657, 0.4479



Deuteranomaly

74.8922, 0.3475, 0.4036



Tritanomaly

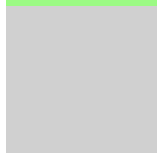
75.9988, 0.2859, 0.3655

Monochromacy



Original Color

77.0057, 0.3185, 0.4729



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

66.8895, 0.3166, 0.3808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.0057, 0.3185, 0.4729 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, 250, 132)` looks like.

```
.text, #text, p{  
    color:rgb(155, 250, 132)  
}
```

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, 250, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 250, 132) }
```

Border

The CSS property to change the border of an element to Yxy 77.0057, 0.3185, 0.4729 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, 250, 132) }
```

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

```
.border{ border-color:rgb(155, 250, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 250, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 250, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 250, 132);  
box-shadow:4px 4px 4px 4px rgb(155, 250,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 77.0057, 0.3185, 0.4729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 250, 132) }
```

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

```
.background{ background-color: rgb(155,  
250, 132) }
```

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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