

Converting Colors

$Yxy(78.3040, 0.3101, 0.5065)$

Have a look what the booklet for
Yxy(78.3040, 0.3101, 0.5065)
contains.

Yxy(77.1479, 0.3104, 0.5059)	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(77.1479, 0.3104, 0.5059)

Conversions

Conversions Part 1

Format	Color
Hex	7EFF71
RGB	126, 255, 113
RGB Percent	49%, 100%, 44%
CMY	0.5062, 0.0000, 0.5569
CMYK	0.51, 0.00, 0.56, 0.00
HSL	115°, 100%, 72%
HSV	115°, 56%, 100%
XYZ	47.3349, 77.1479, 28.0136
YIQ	200.2410, -31.3020, -71.5100

Conversions

Conversions Part 2

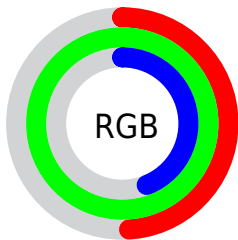
Format	Color
RYB	113, 255, 242
Decimal	8322929
CIELab	90.39, -62.25, 56.23
CIElCh	90, 83.885, 137.911
Yxy	77.1479, 0.3104, 0.5059
Android (android.graphics.Color)	4286513009 (0xFF7EFF71)
YUV	200.2410, -43.0098, -65.1094
Hunter-Lab	87.8339, -57.5132, 42.5739

Details

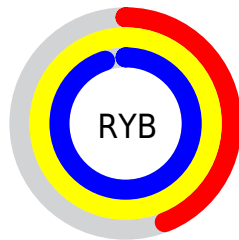
The Yxy color **77.1479, 0.3104, 0.5059** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **37.9164, 0.3072, 0.1922**, and the grayscale version is **58.1822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7863, 0.3187, 0.4283**, and **41.2404, 0.3031, 0.5512** is the 20% darker color. If you saturate the color by 10%, you get **75.0842, 0.3087, 0.5383**, and if you desaturate by 10%, it is **79.7676, 0.3116, 0.4709**.

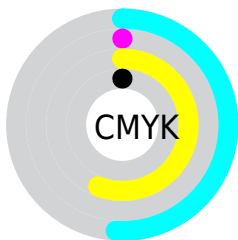
Distribution



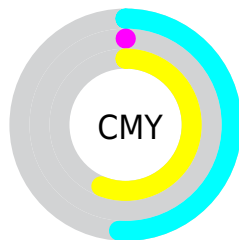
- Red (49%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (95%)



- Cyan (51%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)




- Cyan (51%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1479, 0.3104, 0.5059 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 77.1479, 0.3104, 0.5059 by changing the saturation by 10% instead.


 77.1479, 0.3104,
0.5059

 77.1479, 0.3104,
0.5059


485.2681, 0.3166,
0.4189


 57.3743, 0.3075,
0.5265


 129.3482, 0.3137,
0.4750

 41.3058, 0.3030,
0.5520


 162.5437, 0.3147,
0.4632

 28.5581, 0.2961,
0.5842


 200.9820, 0.3153,
0.4531

 18.7468, 0.2848,
0.6255

245.0474, 0.3158,
0.4443

 11.4875, 0.2656,
0.6789

295.1243, 0.3161,
0.4367

 6.3957, 0.2369,
0.7631


351.5971, 0.3163,


 3.0872, 0.1685,

0.4301


0.8315


414.8503, 0.3165,
0.4241


 1.1774, 0.0000,
1.0000


 0.0431, 0.0000,
1.0000


 77.1479, 0.3104,
0.5059


 77.1479, 0.3104,
0.5059


 75.0842, 0.3087,
0.5383


 79.7676, 0.3116,
0.4709


 73.5541, 0.3067,
0.5653

 83.0014, 0.3125,
0.4356

 72.5022, 0.3045,
0.5849

 86.8775, 0.3129,
0.4020

 71.8709, 0.3023,
0.5960

 91.4282, 0.3130,
0.3710

 71.7048, 0.3016,
0.5987

 96.6833, 0.3129,
0.3433

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



77.1479, 0.4004, 0.5012



77.1479, 0.3104, 0.5059



77.1479, 0.2257, 0.4290

Triad

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



77.1479, 0.3104, 0.5059



77.1479, 0.1643, 0.1943



77.1479, 0.4763, 0.3097

Complementary

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



77.1479, 0.3104, 0.5059



37.9164, 0.3072, 0.1922

Split Complementary

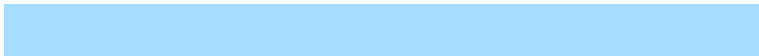
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.1479, 0.3903, 0.2506



77.1479, 0.3104, 0.5059



77.1479, 0.2098, 0.1873

Square

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



77.1479, 0.3104, 0.5059



77.1479, 0.1508, 0.2348



77.1479, 0.2888, 0.2074



77.1479, 0.5058, 0.3761

Rectangle

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



77.1479, 0.3104, 0.5059



77.1479, 0.1844, 0.3534



77.1479, 0.2888, 0.2074



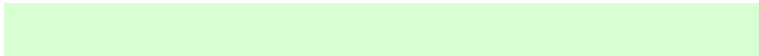
77.1479, 0.4524, 0.2888

Sweetspot

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



77.1412, 0.3104, 0.5059



90.7935, 0.3130, 0.3749



85.2433, 0.4002, 0.4512



19.2299, 0.3130, 0.3810



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.



77.1412, 0.3104, 0.5059



74.8551, 0.3085, 0.5422



77.9241, 0.2797, 0.4376



20.2472, 0.3129, 0.3535



37.4938, 0.3020, 0.5984



3.6761, 0.3062, 0.5950

Inverse Universe

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



37.9164, 0.3072, 0.1922



32.0119, 0.3051, 0.1714



37.1532, 0.3769, 0.2441



18.2113, 0.3123, 0.3055



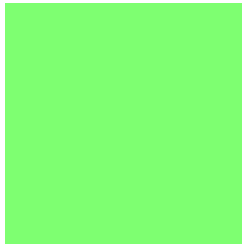
12.7524, 0.2981, 0.1416



1.2652, 0.3008, 0.1431

Previews

White Background



This preview shows how the Yxy color 77.1479, 0.3104, 0.5059 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 77.1479, 0.3104, 0.5059 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 77.1479, 0.3104, 0.5059

Background



This preview shows how black text looks on a background with the Yxy color 77.1479, 0.3104, 0.5059.

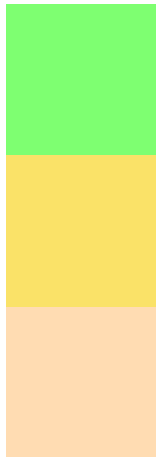


This preview shows how white text looks on a background with the Yxy color 77.1479, 0.3104, 0.5059.

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

77.1479, 0.3104, 0.5059

Protanopia

75.7162, 0.4092, 0.4483

Deuteranopia

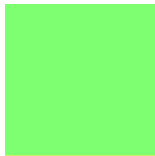
75.6608, 0.3683, 0.3721



Tritanopia

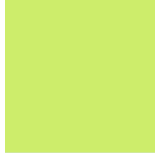
76.5846, 0.2612, 0.3099

Trichromacy



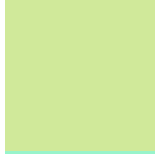
Original Color

77.1479, 0.3104, 0.5059



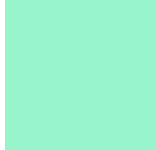
Protanomaly

74.6090, 0.3679, 0.4723



Deuteranomaly

74.0208, 0.3452, 0.4190



Tritanomaly

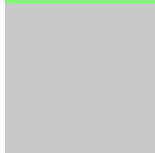
75.6886, 0.2805, 0.3786

Monochromacy



Original Color

77.1479, 0.3104, 0.5059



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.8978, 0.3131, 0.3947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1479, 0.3104, 0.5059 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(126, 255, 113)` looks like.

```
.text, #text, p{  
    color:rgb(126, 255, 113)  
}
```

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(126, 255, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 255, 113) }
```

Border

The CSS property to change the border of an element to Yxy 77.1479, 0.3104, 0.5059 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(126, 255, 113) }
```

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

```
.border{ border-color:rgb(126, 255, 113) }
```

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

Here you see how a box with a 4 pixel rgb(126, 255, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 255, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 255, 113);  
box-shadow:4px 4px 4px 4px rgb(126, 255,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1479, 0.3104, 0.5059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 255, 113) }
```

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

```
.background{ background-color: rgb(126,  
255, 113) }
```

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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