

Converting Colors

Yxy(74.8334, 0.2923, 0.5097)

Have a look what the booklet for
Yxy(74.8334, 0.2923, 0.5097)
contains.

Yxy(74.8306, 0.2924, 0.5099)	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(74.8306, 0.2924, 0.5099)

Conversions

Conversions Part 1

Format	Color
Hex	57FF75
RGB	87, 255, 117
RGB Percent	34%, 100%, 46%
CMY	0.6583, 0.0000, 0.5411
CMYK	0.66, 0.00, 0.54, 0.00
HSL	131°, 100%, 67%
HSV	131°, 66%, 100%
XYZ	42.9113, 74.8306, 29.0136
YIQ	189.0360, -55.8300, -78.5340

Conversions

Conversions Part 2

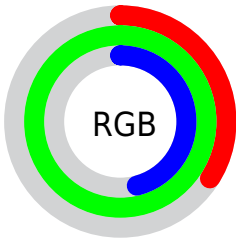
Format	Color
RYB	87, 230, 255
Decimal	5767029
CIELab	89.31, -70.37, 52.88
CIELCh	89, 88.018, 143.077
Yxy	74.8306, 0.2924, 0.5099
Android (android.graphics.Color)	4283957109 (0xFF57FF75)
YUV	189.0360, -35.5137, -89.4856
Hunter-Lab	86.5047, -62.8369, 40.6675

Details

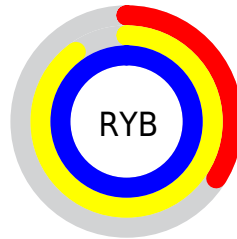
The Yxy color **74.8306, 0.2924, 0.5099** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **33.5410, 0.3499, 0.2014**, and the grayscale version is **51.1651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3686, 0.2981, 0.4290**, and **40.2914, 0.2876, 0.5555** is the 20% darker color. If you saturate the color by 10%, you get **73.3741, 0.2922, 0.5381**, and if you desaturate by 10%, it is **76.8371, 0.2938, 0.4793**.

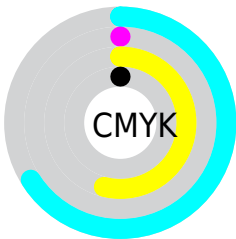
Distribution



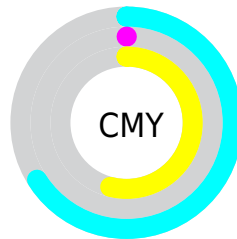
- Red (34%)
- Green (100%)
- Blue (46%)



- Red (34%)
- Yellow (90%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)




- Cyan (66%)
- Magenta (0%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.8306, 0.2924, 0.5099 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 74.8306, 0.2924, 0.5099 by changing the saturation by 10% instead.


 74.8306, 0.2924,
0.5099


 74.8306, 0.2924,
0.5099


477.3351, 0.3069,
0.4195

 55.4741, 0.2876,
0.5317


 126.0725, 0.2986,
0.4775


 39.7815, 0.2810,
0.5591

 158.7268, 0.3006,
0.4651

 27.3682, 0.2713,
0.5940


 196.5824, 0.3022,
0.4547

 17.8499, 0.2565,
0.6396

 240.0238, 0.3036,
0.4456

 10.8423, 0.2329,
0.6997

289.4354, 0.3046,
0.4378

 5.9609, 0.1993,
0.8007


345.2016, 0.3055,


 2.8213, 0.1003,


0.4309


0.8997


407.7067, 0.3062,
0.4249


 1.0392, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.8306, 0.2924,
0.5099


 74.8306, 0.2924,
0.5099

 73.3741, 0.2922,
0.5381


 76.8371, 0.2938,
0.4793

 72.4029, 0.2931,
0.5620

 79.4322, 0.2962,
0.4481


 71.8523, 0.2952,
0.5801

 82.6612, 0.2993,
0.4178

 71.7085, 0.2961,
0.5859

 86.5629, 0.3029,
0.3896

 91.1726, 0.3067,
0.3639

 96.5231, 0.3105,
0.3410

99.9961, 0.3127,
0.3290

Harmonies

Analogous

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



74.8306, 0.3875, 0.5168



74.8306, 0.2924, 0.5099



74.8306, 0.2077, 0.4150

Triad

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



74.8306, 0.2924, 0.5099



74.8306, 0.1632, 0.1844



74.8306, 0.4963, 0.3191

Complementary

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



74.8306, 0.2924, 0.5099



33.5410, 0.3499, 0.2014

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.



74.8306, 0.4130, 0.2562



74.8306, 0.2924, 0.5099



74.8306, 0.2162, 0.1826

Square

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



74.8306, 0.2924, 0.5099



74.8306, 0.1436, 0.2191



74.8306, 0.3046, 0.2080



74.8306, 0.5141, 0.3887

Rectangle

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



74.8306, 0.2924, 0.5099



74.8306, 0.1694, 0.3339



74.8306, 0.3046, 0.2080



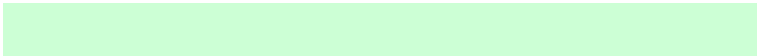
74.8306, 0.4746, 0.2971

Sweetspot

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



74.8337, 0.2924, 0.5099



89.1653, 0.3051, 0.3743



88.5404, 0.3838, 0.4913



18.8103, 0.3040, 0.3815



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.



74.8337, 0.2924, 0.5099



73.0198, 0.2923, 0.5463



77.6746, 0.2577, 0.4002



20.2209, 0.3091, 0.3491



37.4864, 0.2955, 0.5838



3.6636, 0.2904, 0.5653

Inverse Universe

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



33.5410, 0.3499, 0.2014



28.9791, 0.3591, 0.1880



30.0839, 0.4556, 0.2762



18.2416, 0.3165, 0.3097



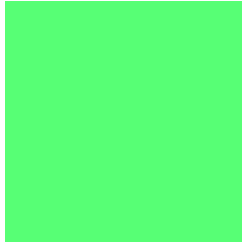
13.5506, 0.3719, 0.1822



1.3332, 0.3650, 0.1785

Previews

White Background



This preview shows how the Yxy color 74.8306, 0.2924, 0.5099 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 74.8306, 0.2924, 0.5099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

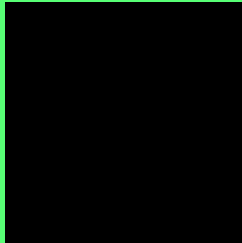
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.8306, 0.2924, 0.5099

Background



This preview shows how black text looks on a background with the Yxy color 74.8306, 0.2924, 0.5099.

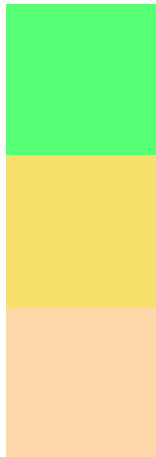


This preview shows how white text looks on a background with the Yxy color 74.8306, 0.2924, 0.5099.

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

74.8306, 0.2924, 0.5099

Protanopia

73.4088, 0.4068, 0.4458

Deuteranopia

73.2363, 0.3760, 0.3775



Tritanopia

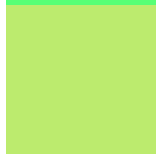
74.2984, 0.2503, 0.3093

Trichromacy



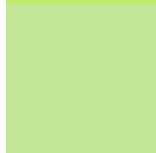
Original Color

74.8306, 0.2924, 0.5099



Protanomaly

71.2338, 0.3546, 0.4743



Deuteranomaly

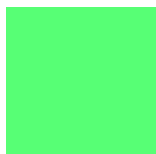
70.2650, 0.3381, 0.4239



Tritanomaly

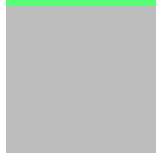
73.3201, 0.2656, 0.3778

Monochromacy



Original Color

74.8306, 0.2924, 0.5099



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

56.9082, 0.3019, 0.3963

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.8306, 0.2924, 0.5099 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(87, 255, 117)` looks like.

```
.text, #text, p{  
    color:rgb(87, 255, 117)  
}
```

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(87, 255, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 255, 117) }
```

Border

The CSS property to change the border of an element to Yxy 74.8306, 0.2924, 0.5099 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(87, 255, 117) }
```

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

```
.border{ border-color:rgb(87, 255, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 255, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 255, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 255, 117);  
box-shadow:4px 4px 4px 4px rgb(87, 255,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 74.8306, 0.2924, 0.5099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 255, 117) }
```

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

```
.background{ background-color: rgb(87, 255,  
117) }
```

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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