

Converting Colors

Yxy(74.6261, 0.2849, 0.4984)

Have a look what the booklet for
Yxy(74.6261, 0.2849, 0.4984)
contains.

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Color

Yxy(74.6563, 0.2849, 0.4979)

Conversions

Conversions Part 1

Format	Color
Hex	4DFF80
RGB	77, 255, 128
RGB Percent	30%, 100%, 50%
CMY	0.6978, 0.0000, 0.4982
CMYK	0.70, 0.00, 0.50, 0.00
HSL	137°, 100%, 65%
HSV	137°, 70%, 100%
XYZ	42.7186, 74.6563, 32.5675
YIQ	187.3000, -65.3210, -77.2330

Conversions

Conversions Part 2

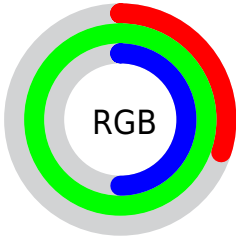
Format	Color
RYB	77, 215, 255
Decimal	5111680
CIELab	89.23, -70.59, 47.68
CIElCh	89, 85.182, 145.962
Yxy	74.6563, 0.2849, 0.4979
Android (android.graphics.Color)	4283301760 (0xFF4DFF80)
YUV	187.3000, -29.2349, -96.7331
Hunter-Lab	86.4039, -62.9554, 38.1350

Details

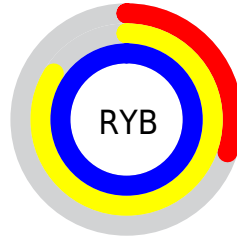
The Yxy color **74.6563, 0.2849, 0.4979** is a light color, and the websafe version is hex **66FF66**. The color can be described as light washed spring green. A complement of this color would be **30.9412, 0.3753, 0.2119**, and the grayscale version is **50.0772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0499, 0.2885, 0.4163**, and **40.4405, 0.2831, 0.5391** is the 20% darker color. If you saturate the color by 10%, you get **73.3591, 0.2853, 0.5238**, and if you desaturate by 10%, it is **76.4585, 0.2861, 0.4704**.

Distribution



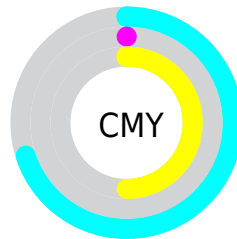
- Red (30%)
- Green (100%)
- Blue (50%)



- Red (30%)
- Yellow (84%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.6563, 0.2849, 0.4979 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 74.6563, 0.2849, 0.4979 by changing the saturation by 10% instead.

 74.6563, 0.2849,
0.4979

 74.6563, 0.2849,
0.4979


476.7354, 0.3021,
0.4133

 55.3314, 0.2798,
0.5185


 125.8257, 0.2918,
0.4674

 39.6671, 0.2728,
0.5444

 158.4390, 0.2942,
0.4559

 27.2791, 0.2630,
0.5779


 196.2505, 0.2961,
0.4461

 17.7829, 0.2484,
0.6221

 239.6446, 0.2978,
0.4377

 10.7943, 0.2257,
0.6819

289.0058, 0.2991,
0.4304

 5.9287, 0.1930,
0.7820


344.7184, 0.3002,

 2.8017, 0.0969,

0.4240

0.9031


407.1668, 0.3012,
0.4184

 1.0291, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.6563, 0.2849,
0.4979

 74.6563, 0.2849,
0.4979


 73.3591, 0.2853,
0.5238

 76.4585, 0.2861,
0.4704


 72.5054, 0.2873,
0.5467


 78.8082, 0.2888,
0.4427

 72.0093, 0.2905,
0.5656

 81.7489, 0.2925,
0.4159

 72.0003, 0.2906,
0.5660

 85.3184, 0.2971,
0.3907

 89.5514, 0.3022,
0.3677

 94.4797, 0.3075,
0.3470

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.



74.6563, 0.3778, 0.5142



74.6563, 0.2849, 0.4979



74.6563, 0.2045, 0.4009

Triad

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



74.6563, 0.2849, 0.4979



74.6563, 0.1704, 0.1866



74.6563, 0.4954, 0.3264

Complementary

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



74.6563, 0.2849, 0.4979



30.9412, 0.3753, 0.2119

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.



74.6563, 0.4196, 0.2638



74.6563, 0.2849, 0.4979



74.6563, 0.2258, 0.1874

Square

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



74.6563, 0.2849, 0.4979



74.6563, 0.1481, 0.2174



74.6563, 0.3148, 0.2146



74.6563, 0.5068, 0.3951

Rectangle

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



74.6563, 0.2849, 0.4979



74.6563, 0.1692, 0.3236



74.6563, 0.3148, 0.2146



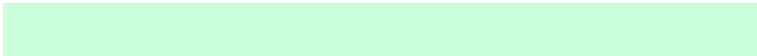
74.6563, 0.4763, 0.3046

Sweetspot

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



74.6581, 0.2849, 0.4979



88.9977, 0.3015, 0.3703



84.9769, 0.3716, 0.5079



18.7894, 0.3001, 0.3766



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.



74.6581, 0.2849, 0.4979



72.9481, 0.2859, 0.5339



78.0815, 0.2477, 0.3772



20.2536, 0.3076, 0.3464



37.6438, 0.2898, 0.5632



3.6831, 0.2837, 0.5412

Inverse Universe

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



30.9412, 0.3753, 0.2119



26.7148, 0.3926, 0.2028



27.8289, 0.4995, 0.2956



18.2066, 0.3182, 0.3122



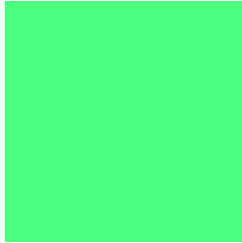
12.9018, 0.4096, 0.2030



1.2751, 0.3971, 0.1961

Previews

White Background



This preview shows how the Yxy color 74.6563, 0.2849, 0.4979 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 74.6563, 0.2849, 0.4979 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

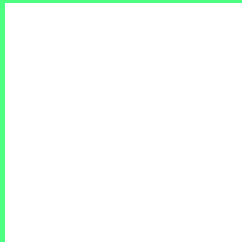
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 74.6563, 0.2849, 0.4979

Background



This preview shows how black text looks on a background with the Yxy color 74.6563, 0.2849, 0.4979.

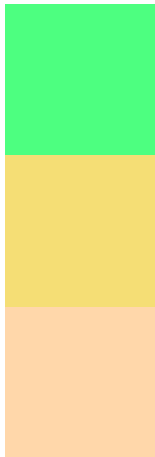


This preview shows how white text looks on a background with the Yxy color 74.6563, 0.2849, 0.4979.

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

74.6563, 0.2849, 0.4979

Protanopia

72.9394, 0.4004, 0.4360

Deuteranopia

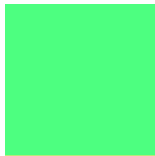
72.7632, 0.3756, 0.3755



Tritanopia

74.0318, 0.2490, 0.3092

Trichromacy



Original Color

74.6563, 0.2849, 0.4979



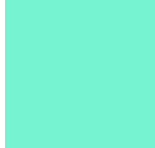
Protanomaly

70.4165, 0.3464, 0.4634



Deuteranomaly

69.9073, 0.3322, 0.4188



Tritanomaly

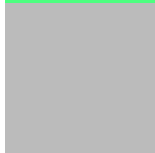
73.1564, 0.2616, 0.3728

Monochromacy



Original Color

74.6563, 0.2849, 0.4979



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

56.0432, 0.2966, 0.3915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.6563, 0.2849, 0.4979 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(77, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 128)  
}
```

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(77, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 128) }
```

Border

The CSS property to change the border of an element to Yxy 74.6563, 0.2849, 0.4979 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(77, 255, 128) }
```

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

```
.border{ border-color:rgb(77, 255, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 74.6563, 0.2849, 0.4979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 128) }
```

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

```
.background{ background-color: rgb(77, 255,  
128) }
```

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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