

Converting Colors

$Yxy(74.7567, 0.2829, 0.4921)$

Have a look what the booklet for
Yxy(74.7567, 0.2829, 0.4921)
contains.

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Color

Yxy(74.7500, 0.2826, 0.4915)

Conversions

Conversions Part 1

Format	Color
Hex	4CFF85
RGB	76, 255, 133
RGB Percent	30%, 100%, 52%
CMY	0.7016, 0.0000, 0.4784
CMYK	0.70, 0.00, 0.48, 0.00
HSL	139°, 100%, 65%
HSV	139°, 70%, 100%
XYZ	42.9793, 74.7500, 34.3561
YIQ	187.5710, -67.5220, -75.8900

Conversions

Conversions Part 2

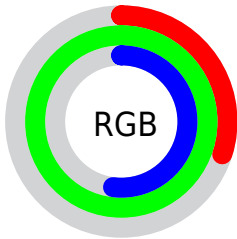
Format	Color
RYB	76, 212, 255
Decimal	5046149
CIELab	89.28, -70.00, 45.35
CIELCh	89, 83.407, 147.061
Yxy	74.7500, 0.2826, 0.4915
Android (android.graphics.Color)	4283236229 (0xFF4CFF85)
YUV	187.5710, -26.9035, -97.8478
Hunter-Lab	86.4581, -62.5672, 36.9604

Details

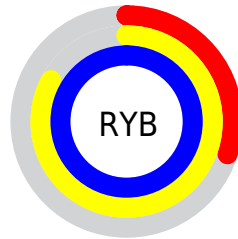
The Yxy color **74.7500, 0.2826, 0.4915** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **30.5207, 0.3830, 0.2164**, and the grayscale version is **50.2323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1706, 0.2855, 0.4101**, and **40.5266, 0.2806, 0.5301** is the 20% darker color. If you saturate the color by 10%, you get **73.4647, 0.2830, 0.5167**, and if you desaturate by 10%, it is **76.5347, 0.2839, 0.4650**.

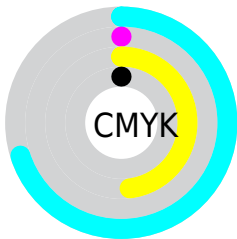
Distribution



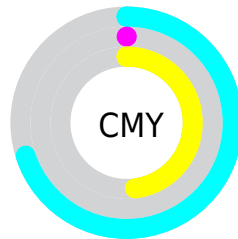
- Red (30%)
- Green (100%)
- Blue (52%)



- Red (30%)
- Yellow (83%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)




- Cyan (70%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.7500, 0.2826, 0.4915 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 74.7500, 0.2826, 0.4915 by changing the saturation by 10% instead.


 74.7500, 0.2826,
0.4915

 74.7500, 0.2826,
0.4915


477.0579, 0.3005,
0.4102

 55.4081, 0.2774,
0.5113


 125.9584, 0.2896,
0.4622

 39.7286, 0.2705,
0.5364


 158.5937, 0.2921,
0.4511

 27.3270, 0.2608,
0.5687


 196.4290, 0.2942,
0.4417

 17.8189, 0.2465,
0.6118

 239.8485, 0.2959,
0.4336

 10.8201, 0.2244,
0.6705

289.2368, 0.2973,
0.4266

 5.9460, 0.1912,
0.7628


344.9782, 0.2985,

 2.8123, 0.1020,

0.4204


0.8980

407.4571, 0.2996,
0.4150

 1.0345, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 74.7500, 0.2826,
0.4915


 74.7500, 0.2826,
0.4915


 73.4647, 0.2830,
0.5167


 76.5347, 0.2839,
0.4650

 72.6135, 0.2851,
0.5395

 78.8569, 0.2867,
0.4384

 72.1155, 0.2885,
0.5585

 81.7611, 0.2907,
0.4127

 85.2848, 0.2956,
0.3887

 89.4621, 0.3011,
0.3667

 94.3247, 0.3068,
0.3469

99.9019, 0.3126,
0.3293

99.9994, 0.3127,
0.3290

Harmonies

Analogous

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



74.7500, 0.3739, 0.5113



74.7500, 0.2826, 0.4915



74.7500, 0.2044, 0.3951

Triad

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



74.7500, 0.2826, 0.4915



74.7500, 0.1742, 0.1885



74.7500, 0.4932, 0.3293

Complementary

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



74.7500, 0.2826, 0.4915



30.5207, 0.3830, 0.2164

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.



74.7500, 0.4210, 0.2671



74.7500, 0.2826, 0.4915



74.7500, 0.2301, 0.1902

Square

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



74.7500, 0.2826, 0.4915



74.7500, 0.1510, 0.2179



74.7500, 0.3186, 0.2180



74.7500, 0.5025, 0.3972

Rectangle

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



74.7500, 0.2826, 0.4915



74.7500, 0.1704, 0.3201



74.7500, 0.3186, 0.2180



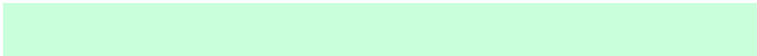
74.7500, 0.4753, 0.3077

Sweetspot

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



74.7531, 0.2826, 0.4915



89.0875, 0.3006, 0.3684



84.0947, 0.3676, 0.5114



18.8105, 0.2991, 0.3743



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.



74.7531, 0.2826, 0.4915



73.0905, 0.2836, 0.5258



78.3438, 0.2452, 0.3697



20.2634, 0.3072, 0.3456



37.7061, 0.2877, 0.5555



3.6902, 0.2814, 0.5330

Inverse Universe

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



30.5207, 0.3830, 0.2164



26.4133, 0.4023, 0.2084



27.5418, 0.5095, 0.3013



18.1962, 0.3187, 0.3129



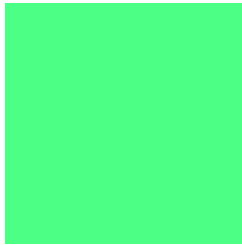
12.7312, 0.4218, 0.2097



1.2595, 0.4074, 0.2018

Previews

White Background



This preview shows how the Yxy color 74.7500, 0.2826, 0.4915 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 74.7500, 0.2826, 0.4915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

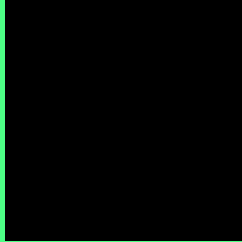
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.7500, 0.2826, 0.4915

Background



This preview shows how black text looks on a background with the Yxy color 74.7500, 0.2826, 0.4915.

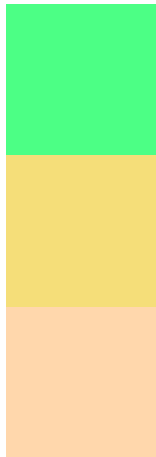


This preview shows how white text looks on a background with the Yxy color 74.7500, 0.2826, 0.4915.

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

74.7500, 0.2826, 0.4915

Protanopia

73.0355, 0.3980, 0.4324

Deuteranopia

72.8394, 0.3742, 0.3734



Tritanopia

74.0318, 0.2490, 0.3092

Trichromacy



Original Color

74.7500, 0.2826, 0.4915



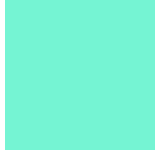
Protanomaly

70.5167, 0.3443, 0.4590



Deuteranomaly

70.0094, 0.3303, 0.4151



Tritanomaly

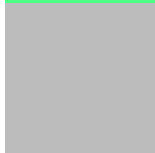
73.1864, 0.2602, 0.3702

Monochromacy



Original Color

74.7500, 0.2826, 0.4915



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

56.1172, 0.2953, 0.3886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.7500, 0.2826, 0.4915 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(76, 255, 133)` looks like.

```
.text, #text, p{  
    color:rgb(76, 255, 133)  
}
```

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(76, 255, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 255, 133) }
```

Border

The CSS property to change the border of an element to Yxy 74.7500, 0.2826, 0.4915 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(76, 255, 133) }
```

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

```
.border{ border-color:rgb(76, 255, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 255, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(76, 255,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 74.7500, 0.2826, 0.4915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 255, 133) }
```

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

```
.background{ background-color: rgb(76, 255,  
133) }
```

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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