

Converting Colors

$Y_{xy}(75.8569, 0.2823, 0.4724)$

Have a look what the booklet for
Yxy(75.8569, 0.2823, 0.4724)
contains.

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Color

Yxy(75.8706, 0.2823, 0.4722)

Conversions

Conversions Part 1

Format	Color
Hex	5CFF92
RGB	92, 255, 146
RGB Percent	36%, 100%, 57%
CMY	0.6394, 0.0000, 0.4275
CMYK	0.64, 0.00, 0.43, 0.00
HSL	140°, 100%, 68%
HSV	140°, 64%, 100%
XYZ	45.3585, 75.8706, 39.4456
YIQ	193.8370, -62.1590, -68.4550

Conversions

Conversions Part 2

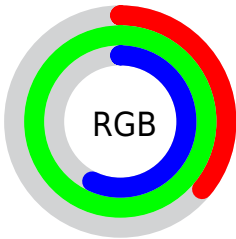
Format	Color
RYB	92, 214, 255
Decimal	6094738
CIELab	89.80, -65.30, 39.84
CIELCh	90, 76.494, 148.614
Yxy	75.8706, 0.2823, 0.4722
Android (android.graphics.Color)	4284284818 (0xFF5CFF92)
YUV	193.8370, -23.5836, -89.3110
Hunter-Lab	87.1037, -59.4793, 34.1226

Details

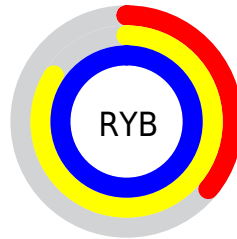
The Yxy color **75.8706, 0.2823, 0.4722** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **33.1228, 0.3772, 0.2247**, and the grayscale version is **54.0089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9051, 0.2851, 0.3925**, and **40.7407, 0.2748, 0.5091** is the 20% darker color. If you saturate the color by 10%, you get **74.2779, 0.2816, 0.4980**, and if you desaturate by 10%, it is **77.9799, 0.2847, 0.4460**.

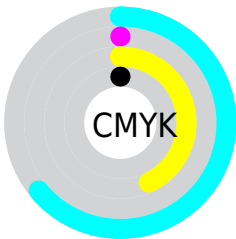
Distribution



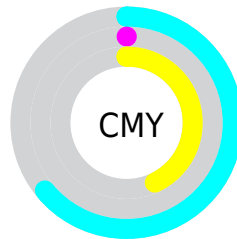
- Red (36%)
- Green (100%)
- Blue (57%)



- Red (36%)
- Yellow (84%)
- Blue (100%)



- Cyan (64%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)




- Cyan (64%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8706, 0.2823, 0.4722 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 75.8706, 0.2823, 0.4722 by changing the saturation by 10% instead.

 75.8706, 0.2823,
0.4722


 75.8706, 0.2823,
0.4722


480.9046, 0.2994,
0.4010

 56.3264, 0.2776,
0.4895


 127.5440, 0.2889,
0.4466

 40.4647, 0.2714,
0.5114


 160.4419, 0.2912,
0.4369

 27.9010, 0.2628,
0.5398


 198.5600, 0.2932,
0.4287

 18.2511, 0.2504,
0.5777

 242.2824, 0.2948,
0.4216

 11.1304, 0.2316,
0.6303

291.9937, 0.2962,
0.4154

 6.1546, 0.2012,
0.7062


348.0783, 0.2974,


 2.9393, 0.1427,


0.4100


0.8573


410.9204, 0.2985,
0.4053


 1.1001, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.8706, 0.2823,
0.4722


 75.8706, 0.2823,
0.4722


 74.2779, 0.2816,
0.4980


 77.9799, 0.2847,
0.4460


 73.1582, 0.2826,
0.5222

 80.6553, 0.2884,
0.4204

 72.4490, 0.2854,
0.5437

 83.9332, 0.2931,
0.3962

 72.1682, 0.2875,
0.5551

 87.8489, 0.2985,
0.3738

 92.4347, 0.3044,
0.3536

 97.7206, 0.3104,
0.3355

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.



75.8706, 0.3671, 0.4965



75.8706, 0.2823, 0.4722



75.8706, 0.2104, 0.3840

Triad

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



75.8706, 0.2823, 0.4722



75.8706, 0.1859, 0.1980



75.8706, 0.4798, 0.3343

Complementary

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



75.8706, 0.2823, 0.4722



33.1228, 0.3772, 0.2247

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.



75.8706, 0.4162, 0.2751



75.8706, 0.2823, 0.4722



75.8706, 0.2403, 0.2005

Square

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



75.8706, 0.2823, 0.4722



75.8706, 0.1624, 0.2248



75.8706, 0.3235, 0.2278



75.8706, 0.4868, 0.3984

Rectangle

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



75.8706, 0.2823, 0.4722



75.8706, 0.1794, 0.3172



75.8706, 0.3235, 0.2278



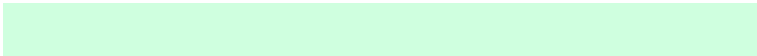
75.8706, 0.4642, 0.3138

Sweetspot

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



75.8685, 0.2823, 0.4722



90.0273, 0.3014, 0.3635



85.0407, 0.3657, 0.4982



18.9951, 0.2997, 0.3694



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.



75.8685, 0.2823, 0.4722



73.8875, 0.2817, 0.5057



79.2355, 0.2481, 0.3655



20.2675, 0.3070, 0.3453



37.7340, 0.2867, 0.5522



3.6933, 0.2804, 0.5295

Inverse Universe

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



33.1228, 0.3772, 0.2247



28.0664, 0.3960, 0.2135



30.3089, 0.4831, 0.3015



18.1920, 0.3189, 0.3132



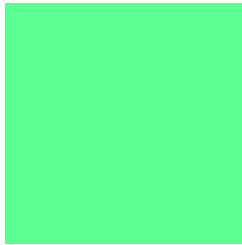
12.6637, 0.4269, 0.2126



1.2533, 0.4117, 0.2042

Previews

White Background



This preview shows how the Yxy color 75.8706, 0.2823, 0.4722 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 75.8706, 0.2823, 0.4722 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 75.8706, 0.2823, 0.4722

Background



This preview shows how black text looks on a background with the Yxy color 75.8706, 0.2823, 0.4722.

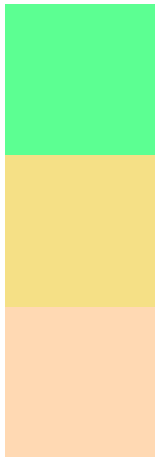


This preview shows how white text looks on a background with the Yxy color 75.8706, 0.2823, 0.4722.

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

75.8706, 0.2823, 0.4722

Protanopia

74.4450, 0.3890, 0.4221

Deuteranopia

74.1404, 0.3684, 0.3682



Tritanopia

75.4370, 0.2532, 0.3106

Trichromacy



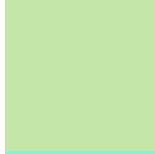
Original Color

75.8706, 0.2823, 0.4722



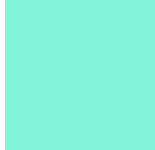
Protanomaly

72.0705, 0.3404, 0.4438



Deuteranomaly

71.6776, 0.3289, 0.4042



Tritanomaly

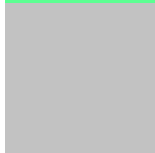
74.8782, 0.2636, 0.3657

Monochromacy



Original Color

75.8706, 0.2823, 0.4722



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.4542, 0.2965, 0.3800

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8706, 0.2823, 0.4722 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(92, 255, 146)` looks like.

```
.text, #text, p{  
    color:rgb(92, 255, 146)  
}
```

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(92, 255, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 255, 146) }
```

Border

The CSS property to change the border of an element to Yxy 75.8706, 0.2823, 0.4722 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(92, 255, 146) }
```

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

```
.border{ border-color:rgb(92, 255, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 255, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 255, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 255, 146);  
box-shadow:4px 4px 4px 4px rgb(92, 255,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8706, 0.2823, 0.4722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 255, 146) }
```

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

```
.background{ background-color: rgb(92, 255,  
146) }
```

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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