

Converting Colors

$Yxy(76.2045, 0.2714, 0.4458)$

Have a look what the booklet for
Yxy(76.2045, 0.2714, 0.4458)
contains.

Yxy(76.2045, 0.2714, 0.4458)	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(76.2045, 0.2714, 0.4458)

Conversions

Conversions Part 1

Format	Color
Hex	55FFA6
RGB	85, 255, 166
RGB Percent	33%, 100%, 65%
CMY	0.6665, 0.0000, 0.3490
CMYK	0.67, 0.00, 0.35, 0.00
HSL	149°, 100%, 67%
HSV	149°, 67%, 100%
XYZ	46.3928, 76.2045, 48.3415
YIQ	194.0240, -72.7510, -63.7190

Conversions

Conversions Part 2

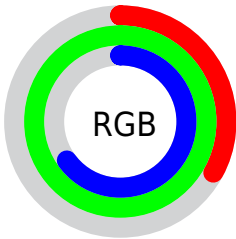
Format	Color
RYB	85, 200, 255
Decimal	5636006
CIELab	89.95, -63.02, 30.10
CIELCh	90, 69.843, 154.467
Yxy	76.2045, 0.2714, 0.4458
Android (android.graphics.Color)	4283826086 (0xFF55FFA6)
YUV	194.0240, -13.8158, -95.6140
Hunter-Lab	87.2952, -57.9033, 28.2736

Details

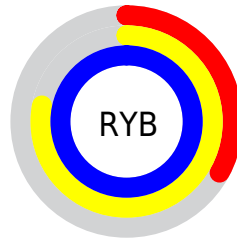
The Yxy color **76.2045, 0.2714, 0.4458** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **30.8232, 0.4130, 0.2442**, and the grayscale version is **54.0890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3732, 0.2718, 0.3672**, and **41.1248, 0.2655, 0.4759** is the 20% darker color. If you saturate the color by 10%, you get **74.7552, 0.2704, 0.4666**, and if you desaturate by 10%, it is **78.1398, 0.2743, 0.4251**.

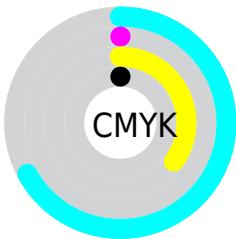
Distribution



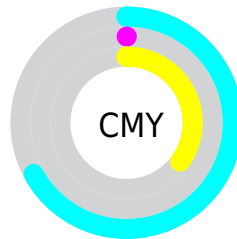
- Red (33%)
- Green (100%)
- Blue (65%)



- Red (33%)
- Yellow (78%)
- Blue (100%)



- Cyan (67%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (67%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.2045, 0.2714, 0.4458 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 76.2045, 0.2714, 0.4458 by changing the saturation by 10% instead.


 76.2045, 0.2714,
0.4458


 76.2045, 0.2714,
0.4458


482.0475, 0.2924,
0.3882


 56.6002, 0.2661,
0.4598


 128.0159, 0.2791,
0.4251

 40.6844, 0.2594,
0.4775


 160.9919, 0.2819,
0.4173

 28.0725, 0.2505,
0.5006


 199.1938, 0.2843,
0.4106

 18.3803, 0.2383,
0.5317

 243.0062, 0.2864,
0.4049

 11.2234, 0.2205,
0.5755

292.8133, 0.2882,
0.3999

 6.2173, 0.1930,
0.6407


348.9996, 0.2898,

 2.9777, 0.1462,


0.3955


0.7756


411.9496, 0.2912,
0.3916


 1.1201, 0.0000,
1.0000

 0.0000, 0.0000,
0.0000


 76.2045, 0.2714,
0.4458


 76.2045, 0.2714,
0.4458


 74.7552, 0.2704,
0.4666


 78.1398, 0.2743,
0.4251


 73.7338, 0.2714,
0.4869


 80.5961, 0.2789,
0.4050

 73.0801, 0.2744,
0.5059

 83.6141, 0.2849,
0.3859

 72.9119, 0.2756,
0.5120

 87.2280, 0.2918,
0.3683

 91.4695, 0.2994,
0.3522

 96.3678, 0.3073,
0.3377

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.



76.2045, 0.3493, 0.4821



76.2045, 0.2714, 0.4458



76.2045, 0.2091, 0.3613

Triad

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



76.2045, 0.2714, 0.4458



76.2045, 0.2029, 0.2060



76.2045, 0.4711, 0.3471

Complementary

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



76.2045, 0.2714, 0.4458



30.8232, 0.4130, 0.2442

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.



76.2045, 0.4218, 0.2899



76.2045, 0.2714, 0.4458



76.2045, 0.2596, 0.2129

Square

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



76.2045, 0.2714, 0.4458



76.2045, 0.1751, 0.2260



76.2045, 0.3399, 0.2426



76.2045, 0.4685, 0.4070

Rectangle

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



76.2045, 0.2714, 0.4458



76.2045, 0.1838, 0.3032



76.2045, 0.3399, 0.2426



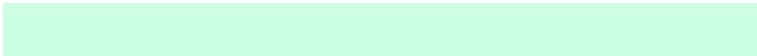
76.2045, 0.4601, 0.3274

Sweetspot

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



76.2071, 0.2714, 0.4458



89.9751, 0.2968, 0.3574



81.3709, 0.3496, 0.5150



19.0023, 0.2946, 0.3619



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.



76.2071, 0.2714, 0.4458



74.3674, 0.2705, 0.4735



80.3143, 0.2367, 0.3355



20.3123, 0.3050, 0.3417



38.1278, 0.2747, 0.5090



3.7343, 0.2688, 0.4876

Inverse Universe

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



30.8232, 0.4130, 0.2442



26.0903, 0.4440, 0.2385



28.5158, 0.5282, 0.3249



18.1460, 0.3212, 0.3166



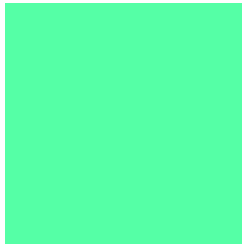
12.0318, 0.4864, 0.2453



1.1936, 0.4623, 0.2320

Previews

White Background



This preview shows how the Yxy color 76.2045, 0.2714, 0.4458 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 76.2045, 0.2714, 0.4458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

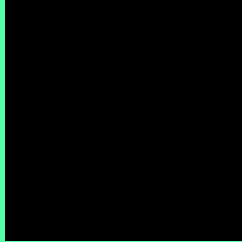
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.2045, 0.2714, 0.4458

Background



This preview shows how black text looks on a background with the Yxy color 76.2045, 0.2714, 0.4458.

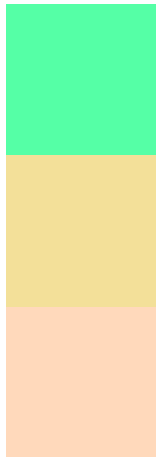


This preview shows how white text looks on a background with the Yxy color 76.2045, 0.2714, 0.4458.

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

76.2045, 0.2714, 0.4458

Protanopia

74.6659, 0.3751, 0.4038

Deuteranopia

74.4736, 0.3625, 0.3599



Tritanopia

75.4370, 0.2532, 0.3106

Trichromacy



Original Color

76.2045, 0.2714, 0.4458



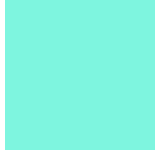
Protanomaly

72.3244, 0.3267, 0.4210



Deuteranomaly

71.7440, 0.3193, 0.3902



Tritanomaly

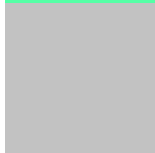
75.0681, 0.2586, 0.3557

Monochromacy



Original Color

76.2045, 0.2714, 0.4458



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.4424, 0.2902, 0.3707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2045, 0.2714, 0.4458 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(85, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(85, 255, 166)  
}
```

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(85, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 255, 166) }
```

Border

The CSS property to change the border of an element to Yxy 76.2045, 0.2714, 0.4458 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(85, 255, 166) }
```

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

```
.border{ border-color:rgb(85, 255, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(85, 255,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 76.2045, 0.2714, 0.4458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 255, 166) }
```

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

```
.background{ background-color: rgb(85, 255,  
166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor