

Converting Colors

$Y_{xy}(75.9872, 0.2636, 0.4338)$

Have a look what the booklet for
Yxy(75.9872, 0.2636, 0.4338)
contains.

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Color

Yxy(75.9929, 0.2639, 0.4344)

Conversions

Conversions Part 1

Format	Color
Hex	48FFAF
RGB	72, 255, 175
RGB Percent	28%, 100%, 69%
CMY	0.7178, 0.0000, 0.3138
CMYK	0.72, 0.00, 0.31, 0.00
HSL	154°, 100%, 64%
HSV	154°, 72%, 100%
XYZ	46.1660, 75.9929, 52.7787
YIQ	191.1630, -83.3880, -63.6760

Conversions

Conversions Part 2

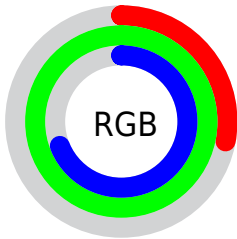
Format	Color
R_{YB}	72, 189, 255
Decimal	4784047
CIE _{Lab}	89.86, -63.24, 25.40
CIE _{LCh}	90, 68.152, 158.115
Yxy	75.9929, 0.2639, 0.4344
Android (android.graphics.Color)	4282974127 (0xFF48FFAF)
YUV	191.1630, -7.9684, -104.5060
Hunter-Lab	87.1739, -58.0233, 25.1251

Details

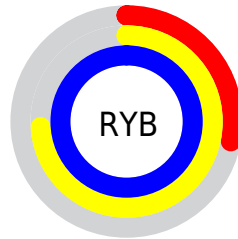
The Yxy color **75.9929, 0.2639, 0.4344** is a light color, and the websafe version is hex **66FF99**. The color can be described as light washed spring green. A complement of this color would be **28.1568, 0.4478, 0.2562**, and the grayscale version is **52.2746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0403, 0.2635, 0.3567**, and **41.3376, 0.2610, 0.4595** is the 20% darker color. If you saturate the color by 10%, you get **74.7858, 0.2633, 0.4517**, and if you desaturate by 10%, it is **77.6375, 0.2665, 0.4171**.

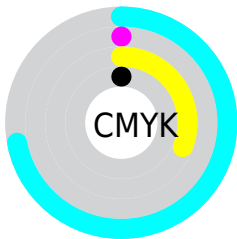
Distribution



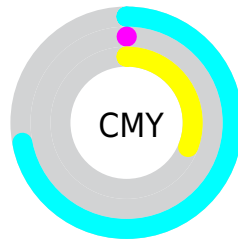
- Red (28%)
- Green (100%)
- Blue (69%)



- Red (28%)
- Yellow (74%)
- Blue (100%)



- Cyan (72%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (72%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9929, 0.2639, 0.4344 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 75.9929, 0.2639, 0.4344 by changing the saturation by 10% instead.


 75.9929, 0.2639,
0.4344

 75.9929, 0.2639,
0.4344


481.3234, 0.2879,
0.3826

 56.4267, 0.2581,
0.4469


 127.7169, 0.2725,
0.4158

 40.5451, 0.2507,
0.4628


 160.6434, 0.2758,
0.4088

 27.9638, 0.2411,
0.4835


 198.7922, 0.2785,
0.4028

 18.2984, 0.2282,
0.5114

 242.5476, 0.2809,
0.3976

 11.1644, 0.2099,
0.5508

292.2940, 0.2830,
0.3932

 6.1775, 0.1823,
0.6100


348.4159, 0.2849,

 2.9533, 0.1325,


0.3892


0.7175


411.2975, 0.2865,
0.3857


 1.1074, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.9929, 0.2639,
0.4344


 75.9929, 0.2639,
0.4344


 74.7858, 0.2633,
0.4517


 77.6375, 0.2665,
0.4171


 73.9683, 0.2648,
0.4687

 79.7721, 0.2711,
0.4002


 73.5187, 0.2672,
0.4821


 82.4342, 0.2772,
0.3840

 85.6592, 0.2845,
0.3689

 89.4795, 0.2929,
0.3550

 93.9248, 0.3018,
0.3423

 99.0229, 0.3110,
0.3309

 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.



75.9929, 0.3395, 0.4774



75.9929, 0.2639, 0.4344



75.9929, 0.2057, 0.3499

Triad

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



75.9929, 0.2639, 0.4344



75.9929, 0.2104, 0.2079



75.9929, 0.4699, 0.3543

Complementary

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



75.9929, 0.2639, 0.4344



28.1568, 0.4478, 0.2562

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.



75.9929, 0.4274, 0.2973



75.9929, 0.2639, 0.4344



75.9929, 0.2694, 0.2176

Square

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



75.9929, 0.2639, 0.4344



75.9929, 0.1795, 0.2243



75.9929, 0.3496, 0.2492



75.9929, 0.4617, 0.4129

Rectangle

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



75.9929, 0.2639, 0.4344



75.9929, 0.1834, 0.2947



75.9929, 0.3496, 0.2492



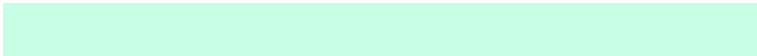
75.9929, 0.4613, 0.3348

Sweetspot

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



75.9906, 0.2639, 0.4344



89.3882, 0.2927, 0.3553



78.8899, 0.3402, 0.5334



18.8989, 0.2903, 0.3589



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.



75.9906, 0.2639, 0.4344



74.3971, 0.2637, 0.4589



74.4156, 0.2290, 0.3178



20.3394, 0.3039, 0.3396



38.4457, 0.2665, 0.4794



3.7653, 0.2613, 0.4606

Inverse Universe

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



28.1568, 0.4478, 0.2562



24.1581, 0.4890, 0.2568



27.6296, 0.5528, 0.3367



18.1190, 0.3225, 0.3187



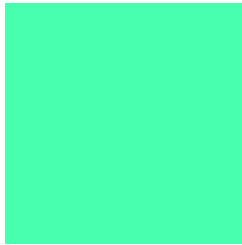
11.7429, 0.5230, 0.2655



1.1649, 0.4944, 0.2497

Previews

White Background



This preview shows how the Yxy color 75.9929, 0.2639, 0.4344 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 75.9929, 0.2639, 0.4344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

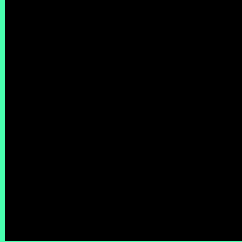
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.9929, 0.2639, 0.4344

Background



This preview shows how black text looks on a background with the Yxy color 75.9929, 0.2639, 0.4344.

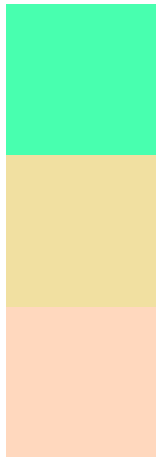


This preview shows how white text looks on a background with the Yxy color 75.9929, 0.2639, 0.4344.

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

75.9929, 0.2639, 0.4344

Protanopia

74.5853, 0.3682, 0.3959

Deuteranopia

74.0894, 0.3606, 0.3558



Tritanopia

75.0640, 0.2514, 0.3105

Trichromacy



Original Color

75.9929, 0.2639, 0.4344



Protanomaly

71.8731, 0.3179, 0.4123



Deuteranomaly

70.7878, 0.3122, 0.3824



Tritanomaly

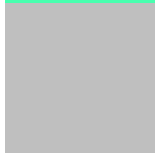
74.7177, 0.2544, 0.3521

Monochromacy



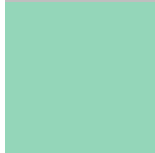
Original Color

75.9929, 0.2639, 0.4344



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

57.8918, 0.2856, 0.3673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9929, 0.2639, 0.4344 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(72, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(72, 255, 175)  
}
```

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(72, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 255, 175) }
```

Border

The CSS property to change the border of an element to Yxy 75.9929, 0.2639, 0.4344 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(72, 255, 175) }
```

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

```
.border{ border-color:rgb(72, 255, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 255, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(72, 255,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9929, 0.2639, 0.4344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 255, 175) }
```

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

```
.background{ background-color: rgb(72, 255,  
175) }
```

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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