

Converting Colors

$Yxy(75.8444, 0.2558, 0.3703)$

Have a look what the booklet for
Yxy(75.8444, 0.2558, 0.3703)
contains.

Yxy(75.8974, 0.2556, 0.3699)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(75.8974, 0.2556, 0.3699)

Conversions

Conversions Part 1

Format	Color
Hex	6CF9D8
RGB	108, 249, 216
RGB Percent	42%, 98%, 85%
CMY	0.5768, 0.0235, 0.1530
CMYK	0.57, 0.00, 0.13, 0.02
HSL	166°, 92%, 70%
HSV	166°, 57%, 98%
XYZ	52.4449, 75.8974, 76.8412
YIQ	203.0790, -73.4430, -40.1550

Conversions

Conversions Part 2

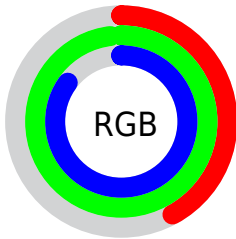
Format	Color
R _Y B	108, 188, 249
Decimal	7141848
CIE Lab	89.81, -45.98, 4.37
CIE LCh	90, 46.190, 174.571
Yxy	75.8974, 0.2556, 0.3699
Android (android.graphics.Color)	4285331928 (0xFF6CF9D8)
YUV	203.0790, 6.3701, -83.3843
Hunter-Lab	87.1191, -45.0031, 8.6881

Details

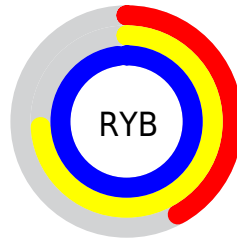
The Yxy color **75.8974, 0.2556, 0.3699** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.7707, 0.4439, 0.2955**, and the grayscale version is **59.7541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **40.5796, 0.2427, 0.3805** is the 20% darker color. If you saturate the color by 10%, you get **74.2611, 0.2503, 0.3785**, and if you desaturate by 10%, it is **77.9960, 0.2628, 0.3616**.

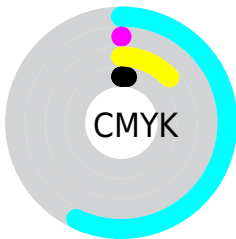
Distribution



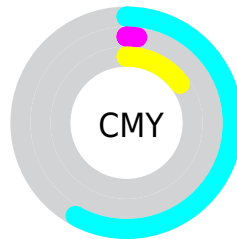
- Red (42%)
- Green (98%)
- Blue (85%)



- Red (42%)
- Yellow (74%)
- Blue (98%)



- Cyan (57%)
- Magenta (0%)
- Yellow (13%)
- Black (2%)





- Cyan (58%)
- Magenta (2%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8974, 0.2556, 0.3699 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 75.8974, 0.2556, 0.3699 by changing the saturation by 10% instead.


 75.8974, 0.2556,
0.3699

 75.8974, 0.2556,
0.3699


480.9964, 0.2819,
0.3508


 56.3484, 0.2497,
0.3743


 127.5819, 0.2647,
0.3632

 40.4823, 0.2424,
0.3797


 160.4861, 0.2682,
0.3607

 27.9148, 0.2332,
0.3867


 198.6109, 0.2713,
0.3585

 18.2614, 0.2213,
0.3957

242.3405, 0.2739,
0.3565

 11.1379, 0.2053,
0.4081

292.0596, 0.2763,
0.3548

 6.1596, 0.1828,
0.4261


348.1523, 0.2783,


 2.9424, 0.1494,


0.3533

0.4540


411.0031, 0.2802,
0.3520


 1.1017, 0.0000,
0.5567


 0.0000, 0.0000,
0.0000


 75.8974, 0.2556,
0.3699


 75.8974, 0.2556,
0.3699


 74.2611, 0.2503,
0.3785


 77.9960, 0.2628,
0.3616


 73.0388, 0.2469,
0.3873


 80.5825, 0.2715,
0.3536


 72.1876, 0.2456,
0.3961

 83.6912, 0.2816,
0.3461

 71.6497, 0.2462,
0.4048

 87.3506, 0.2927,
0.3392

 71.5101, 0.2466,
0.4076

 91.5873, 0.3046,
0.3329

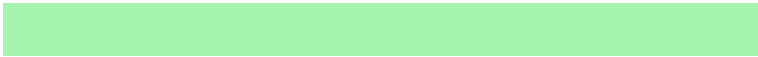
 95.9829, 0.3154,
0.3271

 96.2405, 0.3130,
0.3233

Harmonies

Analogous

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



75.8974, 0.3045, 0.4149



75.8974, 0.2556, 0.3699



75.8974, 0.2236, 0.3143

Triad

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



75.8974, 0.2556, 0.3699



75.8974, 0.2622, 0.2437



75.8974, 0.4221, 0.3742

Complementary

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



75.8974, 0.2556, 0.3699



32.7707, 0.4439, 0.2955

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.



75.8974, 0.4102, 0.3314



75.8974, 0.2556, 0.3699



75.8974, 0.3134, 0.2599

Square

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



75.8974, 0.2556, 0.3699



75.8974, 0.2274, 0.2463



75.8974, 0.3689, 0.2910



75.8974, 0.4019, 0.4109

Rectangle

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



75.8974, 0.2556, 0.3699



75.8974, 0.2146, 0.2827



75.8974, 0.3689, 0.2910



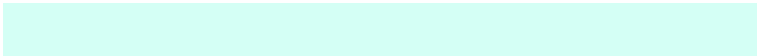
75.8974, 0.4218, 0.3601

Sweetspot

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



75.9004, 0.2556, 0.3699



92.0487, 0.2923, 0.3394



74.6978, 0.3224, 0.5024



19.5265, 0.2900, 0.3408



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.



75.9004, 0.2556, 0.3699



78.1721, 0.2497, 0.3798



57.9845, 0.2321, 0.2848



19.5350, 0.3012, 0.3346



38.2961, 0.2462, 0.4062



3.5631, 0.2433, 0.3958

Inverse Universe

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



32.7707, 0.4439, 0.2955



28.6442, 0.4879, 0.2926



40.9250, 0.4614, 0.3658



17.2918, 0.3257, 0.3235



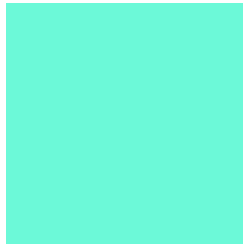
10.9636, 0.5982, 0.3069



1.0311, 0.5655, 0.2889

Previews

White Background



This preview shows how the Yxy color 75.8974, 0.2556, 0.3699 looks on a white background.

Color Contrast Check

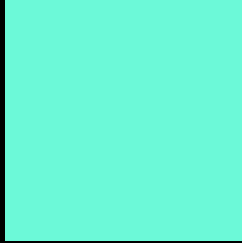
Large Text (above 18pt) WCAG AA × Fail

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 75.8974, 0.2556, 0.3699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

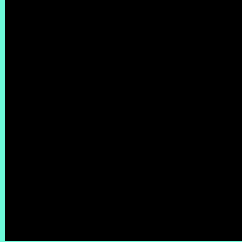
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.8974, 0.2556, 0.3699

Background



This preview shows how black text looks on a background with the Yxy color 75.8974, 0.2556, 0.3699.

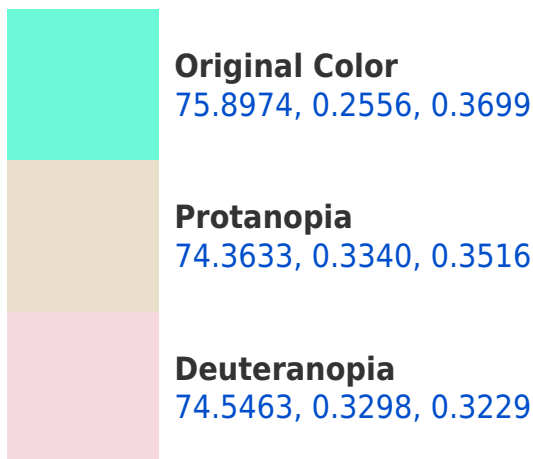


This preview shows how white text looks on a background with the Yxy color 75.8974, 0.2556, 0.3699.

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





Tritanopia

75.5323, 0.2537, 0.3106

Trichromacy



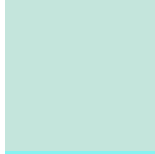
Original Color

75.8974, 0.2556, 0.3699



Protanomaly

72.9096, 0.2988, 0.3580



Deuteranomaly

72.9417, 0.2962, 0.3391



Tritanomaly

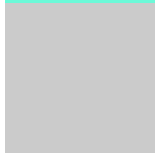
75.6030, 0.2537, 0.3312

Monochromacy



Original Color

75.8974, 0.2556, 0.3699



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.0653, 0.2850, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8974, 0.2556, 0.3699 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(108, 249, 216)` looks like.

```
.text, #text, p{  
    color:rgb(108, 249, 216)  
}
```

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(108, 249, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 249, 216) }
```

Border

The CSS property to change the border of an element to Yxy 75.8974, 0.2556, 0.3699 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(108, 249, 216) }
```

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

```
.border{ border-color:rgb(108, 249, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 249, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 249, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 249, 216);  
box-shadow:4px 4px 4px 4px rgb(108, 249,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8974, 0.2556, 0.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 249, 216) }
```

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

```
.background{ background-color: rgb(108,  
249, 216) }
```

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