

Converting Colors

$Y_{xy}(85.7002, 0.2502, 0.4197)$

Have a look what the booklet for
Yxy(85.7002, 0.2502, 0.4197)
contains.

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Color

Yxy(75.6424, 0.2458, 0.4039)

Conversions

Conversions Part 1

Format	Color
Hex	06FFC6
RGB	6, 255, 198
RGB Percent	2%, 100%, 78%
CMY	0.9757, 0.0000, 0.2235
CMYK	0.98, 0.00, 0.22, 0.00
HSL	166°, 100%, 51%
HSV	166°, 98%, 100%
XYZ	46.0334, 75.6424, 65.6042
YIQ	174.0510, -130.1070, -70.5150

Conversions

Conversions Part 2

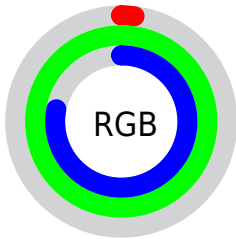
Format	Color
RYB	6, 147, 255
Decimal	458694
CIELab	89.69, -62.92, 13.31
CIELCh	90, 64.307, 168.057
Yxy	75.6424, 0.2458, 0.4039
Android (android.graphics.Color)	4278648774 (0xFF06FFC6)
YUV	174.0510, 11.8069, -147.3807
Hunter-Lab	86.9726, -57.7245, 16.1579

Details

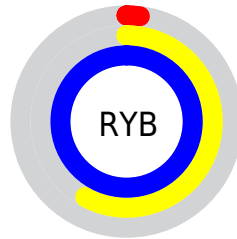
The Yxy color **75.6424, 0.2458, 0.4039** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **21.7556, 0.5973, 0.3078**, and the grayscale version is **42.3759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5219, 0.2436, 0.3288**, and **41.9461, 0.2497, 0.4190** is the 20% darker color. If you saturate the color by 10%, you get **75.5324, 0.2461, 0.4059**, and if you desaturate by 10%, it is **76.1747, 0.2451, 0.3954**.

Distribution



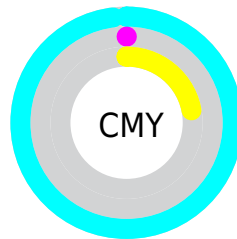
- Red (2%)
- Green (100%)
- Blue (78%)



- Red (2%)
- Yellow (58%)
- Blue (100%)



- Cyan (98%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (98%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.6424, 0.2458, 0.4039 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 75.6424, 0.2458, 0.4039 by changing the saturation by 10% instead.


 75.6424, 0.2458,
0.4039


 75.6424, 0.2458,
0.4039


480.1227, 0.2771,
0.3679


 56.1393, 0.2386,
0.4124


 127.2213, 0.2567,
0.3911

 40.3146, 0.2297,
0.4232


 160.0659, 0.2609,
0.3863


 27.7840, 0.2184,
0.4370


 198.1265, 0.2646,
0.3821

 18.1629, 0.2037,
0.4554

 241.7874, 0.2677,
0.3785

 11.0670, 0.1838,
0.4813

 291.4331, 0.2705,
0.3753

 6.1119, 0.1557,
0.5196


347.4480, 0.2730,


 2.9132, 0.1078,


0.3725


0.5854

410.2164, 0.2752,
0.3701


 1.0866, 0.0000,
0.8203


 0.0000, 0.0000,
0.0000


 75.6424, 0.2458,
0.4039


 75.6424, 0.2458,
0.4039


 75.5324, 0.2461,
0.4059

 76.1747, 0.2451,
0.3954


 77.0335, 0.2463,
0.3868


 78.2791, 0.2495,
0.3782


 79.9611, 0.2547,
0.3698

 82.1216, 0.2617,
0.3616

 84.7977, 0.2704,
0.3538

 88.0229, 0.2804,
0.3464

 91.8276, 0.2915,
0.3396

 96.2400, 0.3034,
0.3333

Harmonies

Analogous

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



75.6424, 0.3144, 0.4614



75.6424, 0.2458, 0.4039



75.6424, 0.1988, 0.3222

Triad

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



75.6424, 0.2458, 0.4039



75.6424, 0.2312, 0.2139



75.6424, 0.4644, 0.3728

Complementary

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



75.6424, 0.2458, 0.4039



21.7556, 0.5973, 0.3078

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.



75.6424, 0.4394, 0.3169



75.6424, 0.2458, 0.4039



75.6424, 0.2956, 0.2305

Square

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



75.6424, 0.2458, 0.4039



75.6424, 0.1924, 0.2212



75.6424, 0.3740, 0.2669



75.6424, 0.4425, 0.4270

Rectangle

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



75.6424, 0.2458, 0.4039



75.6424, 0.1837, 0.2753



75.6424, 0.3740, 0.2669



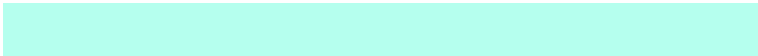
75.6424, 0.4615, 0.3539

Sweetspot

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



75.6376, 0.2458, 0.4039



87.5264, 0.2789, 0.3474



72.6321, 0.3089, 0.5917



18.4324, 0.2746, 0.3505



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.



75.6376, 0.2458, 0.4039



75.5324, 0.2461, 0.4059



43.5062, 0.2004, 0.2406



20.4061, 0.3011, 0.3345



39.4912, 0.2457, 0.4045



3.8617, 0.2430, 0.3948

Inverse Universe

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



21.7556, 0.5973, 0.3078



21.5697, 0.6037, 0.3099



25.9793, 0.6018, 0.3583



18.0552, 0.3258, 0.3236



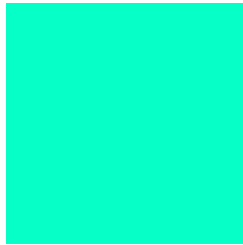
11.2892, 0.5999, 0.3078



1.1150, 0.5690, 0.2908

Previews

White Background



This preview shows how the Yxy color 75.6424, 0.2458, 0.4039 looks on a white background.

Color Contrast Check

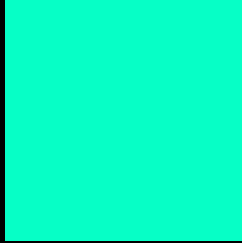
Large Text (above 18pt) WCAG AA × Fail

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 75.6424, 0.2458, 0.4039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

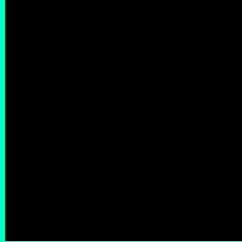
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

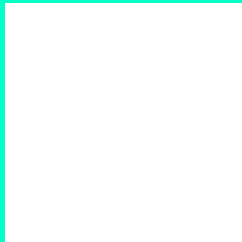
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.6424, 0.2458, 0.4039

Background



This preview shows how black text looks on a background with the Yxy color 75.6424, 0.2458, 0.4039.

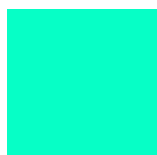


This preview shows how white text looks on a background with the Yxy color 75.6424, 0.2458, 0.4039.

Color Blindness Simulation

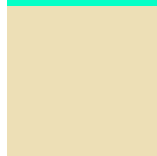
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.6359, 0.2458, 0.4039



Protanopia

74.1573, 0.3509, 0.3730



Deuteranopia

74.1260, 0.3451, 0.3383



Tritanopia

75.0291, 0.2486, 0.3116

Trichromacy



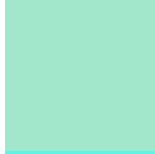
Original Color

75.6359, 0.2458, 0.4039



Protanomaly

69.8198, 0.2884, 0.3878



Deuteranomaly

68.6346, 0.2843, 0.3608



Tritanomaly

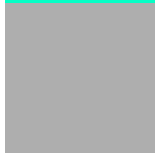
73.4695, 0.2415, 0.3424

Monochromacy



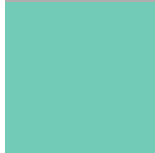
Original Color

75.6359, 0.2458, 0.4039



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

49.6415, 0.2645, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.6424, 0.2458, 0.4039 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(6, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(6, 255, 198)  
}
```

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(6, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 255, 198) }
```

Border

The CSS property to change the border of an element to Yxy 75.6424, 0.2458, 0.4039 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(6, 255, 198) }
```

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

```
.border{ border-color:rgb(6, 255, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(6, 255,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 75.6424, 0.2458, 0.4039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 255, 198) }
```

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

```
.background{ background-color: rgb(6, 255,  
198) }
```

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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