

Converting Colors

$Yxy(76.6607, 0.2424, 0.3839)$

Have a look what the booklet for
Yxy(76.6607, 0.2424, 0.3839)
contains.

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Color

Yxy(76.6668, 0.2425, 0.3841)

Conversions

Conversions Part 1

Format	Color
Hex	25FFD4
RGB	37, 255, 212
RGB Percent	15%, 100%, 83%
CMY	0.8553, 0.0000, 0.1686
CMYK	0.86, 0.00, 0.17, 0.00
HSL	168°, 100%, 57%
HSV	168°, 86%, 100%
XYZ	48.4033, 76.6668, 74.5311
YIQ	184.9160, -116.1250, -59.5890

Conversions

Conversions Part 2

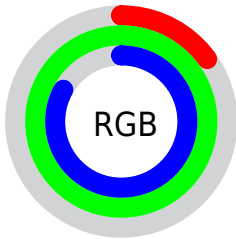
Format	Color
RYB	37, 158, 255
Decimal	2490324
CIELab	90.17, -58.34, 6.79
CIElCh	90, 58.730, 173.363
Yxy	76.6668, 0.2425, 0.3841
Android (android.graphics.Color)	4280680404 (0xFF25FFD4)
YUV	184.9160, 13.3524, -129.7223
Hunter-Lab	87.5596, -54.5538, 10.8238

Details

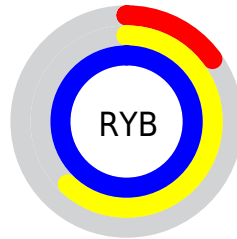
The Yxy color **76.6668, 0.2425, 0.3841** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **23.1555, 0.5684, 0.3037**, and the grayscale version is **48.4231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **42.3668, 0.2432, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **76.0975, 0.2425, 0.3913**, and if you desaturate by 10%, it is **77.5685, 0.2444, 0.3768**.

Distribution



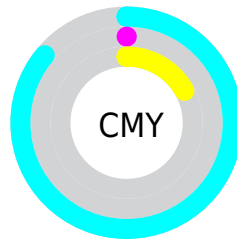
- Red (15%)
- Green (100%)
- Blue (83%)



- Red (15%)
- Yellow (62%)
- Blue (100%)



- Cyan (86%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (86%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6668, 0.2425, 0.3841 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 76.6668, 0.2425, 0.3841 by changing the saturation by 10% instead.

 76.6668, 0.2425,
0.3841


 76.6668, 0.2425,
0.3841


483.6272, 0.2748,
0.3582


 56.9794, 0.2352,
0.3901


 128.6690, 0.2536,
0.3751


 40.9887, 0.2263,
0.3975

 161.7527, 0.2580,
0.3716

 28.3103, 0.2151,
0.4070


 200.0706, 0.2617,
0.3685

 18.5597, 0.2007,
0.4194

 244.0071, 0.2650,
0.3659

 11.3526, 0.1814,
0.4364

293.9466, 0.2679,
0.3637

 6.3045, 0.1548,
0.4610


350.2735, 0.2704,


 3.0311, 0.1151,

0.3616

0.4998

413.3723, 0.2727,
0.3598


 1.1480, 0.0000,
0.6045


 0.0186, 0.0000,
1.0000


 76.6668, 0.2425,
0.3841


 76.6668, 0.2425,
0.3841


 76.0975, 0.2425,
0.3913


 77.5685, 0.2444,
0.3768

 75.9142, 0.2429,
0.3945


 78.8671, 0.2482,
0.3696


 80.6086, 0.2540,
0.3624


 82.8337, 0.2617,
0.3555

 85.5788, 0.2710,
0.3489

 88.8764, 0.2816,
0.3427

 92.7567, 0.2932,
0.3370

 97.2474, 0.3056,
0.3317

 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.



76.6668, 0.3033, 0.4422



76.6668, 0.2425, 0.3841



76.6668, 0.2032, 0.3113

Triad

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



76.6668, 0.2425, 0.3841



76.6668, 0.2470, 0.2240



76.6668, 0.4506, 0.3800

Complementary

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



76.6668, 0.2425, 0.3841



23.1555, 0.5684, 0.3037

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.



76.6668, 0.4351, 0.3277



76.6668, 0.2425, 0.3841



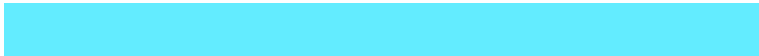
76.6668, 0.3098, 0.2429

Square

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



76.6668, 0.2425, 0.3841



76.6668, 0.2063, 0.2270



76.6668, 0.3809, 0.2796



76.6668, 0.4249, 0.4278

Rectangle

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



76.6668, 0.2425, 0.3841



76.6668, 0.1922, 0.2712



76.6668, 0.3809, 0.2796



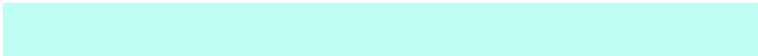
76.6668, 0.4503, 0.3626

Sweetspot

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



76.6650, 0.2425, 0.3841



88.7069, 0.2810, 0.3430



73.3816, 0.3114, 0.5794



18.7307, 0.2773, 0.3451



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.



76.6650, 0.2425, 0.3841



75.9142, 0.2429, 0.3945



44.2540, 0.2034, 0.2424



20.4164, 0.3006, 0.3337



39.6885, 0.2426, 0.3933



3.8793, 0.2403, 0.3851

Inverse Universe

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



23.1555, 0.5684, 0.3037



21.4927, 0.6123, 0.3146



30.9622, 0.5613, 0.3749



18.0456, 0.3263, 0.3243



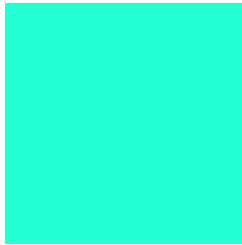
11.2469, 0.6087, 0.3127



1.1096, 0.5791, 0.2964

Previews

White Background



This preview shows how the Yxy color 76.6668, 0.2425, 0.3841 looks on a white background.

Color Contrast Check

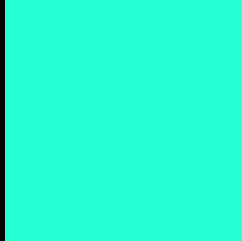
Large Text (above 18pt) WCAG AA × Fail

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 76.6668, 0.2425, 0.3841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

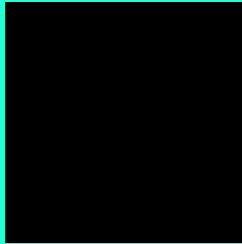
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.6668, 0.2425, 0.3841

Background



This preview shows how black text looks on a background with the Yxy color 76.6668, 0.2425, 0.3841.



This preview shows how white text looks on a background with the Yxy color 76.6668, 0.2425, 0.3841.

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

76.6668, 0.2425, 0.3841

Protanopia

74.9590, 0.3395, 0.3590

Deuteranopia

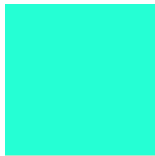
74.7495, 0.3334, 0.3260



Tritanopia

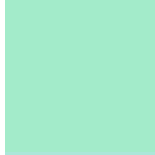
76.1503, 0.2514, 0.3128

Trichromacy



Original Color

76.6668, 0.2425, 0.3841



Protanomaly

71.4675, 0.2864, 0.3690



Deuteranomaly

70.8195, 0.2824, 0.3455



Tritanomaly

75.2077, 0.2443, 0.3373

Monochromacy



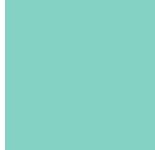
Original Color

76.6668, 0.2425, 0.3841



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.8586, 0.2690, 0.3492

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6668, 0.2425, 0.3841 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(37, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(37, 255, 212)  
}
```

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(37, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 255, 212) }
```

Border

The CSS property to change the border of an element to Yxy 76.6668, 0.2425, 0.3841 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(37, 255, 212) }
```

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

```
.border{ border-color:rgb(37, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(37, 255,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6668, 0.2425, 0.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 255, 212) }
```

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

```
.background{ background-color: rgb(37, 255,  
212) }
```

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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