

Converting Colors

$Y_{xy}(76.7091, 0.2446, 0.3827)$

Have a look what the booklet for
Yxy(76.7091, 0.2446, 0.3827)
contains.

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Color

Yxy(76.4214, 0.2446, 0.3826)

Conversions

Conversions Part 1

Format	Color
Hex	36FED4
RGB	54, 254, 212
RGB Percent	21%, 100%, 83%
CMY	0.7872, 0.0039, 0.1686
CMYK	0.79, 0.00, 0.17, 0.00
HSL	167°, 99%, 60%
HSV	167°, 79%, 100%
XYZ	48.8570, 76.4214, 74.4639
YIQ	189.4120, -105.7180, -55.4620

Conversions

Conversions Part 2

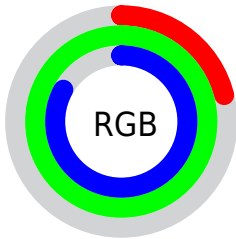
Format	Color
RYB	54, 166, 254
Decimal	3604180
CIELab	90.05, -56.60, 6.64
CIELCh	90, 56.993, 173.305
Yxy	76.4214, 0.2446, 0.3826
Android (android.graphics.Color)	4281794260 (0xFF36FED4)
YUV	189.4120, 11.1359, -118.7563
Hunter-Lab	87.4193, -53.2237, 10.6902

Details

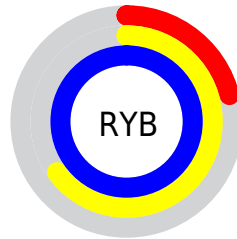
The Yxy color **76.4214, 0.2446, 0.3826** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.5815, 0.5376, 0.2982**, and the grayscale version is **51.1622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **41.9142, 0.2428, 0.3941** is the 20% darker color. If you saturate the color by 10%, you get **75.6270, 0.2435, 0.3904**, and if you desaturate by 10%, it is **77.5976, 0.2477, 0.3748**.

Distribution



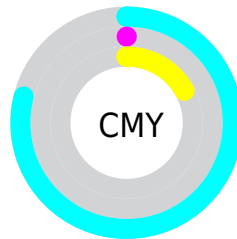
- Red (21%)
- Green (100%)
- Blue (83%)



- Red (21%)
- Yellow (65%)
- Blue (100%)



- Cyan (79%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (79%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.4214, 0.2446, 0.3826 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 76.4214, 0.2446, 0.3826 by changing the saturation by 10% instead.


 76.4214, 0.2446,
0.3826


 76.4214, 0.2446,
0.3826


482.7890, 0.2759,
0.3574

 56.7781, 0.2375,
0.3884


 128.3224, 0.2554,
0.3738


 40.8271, 0.2288,
0.3957


 161.3489, 0.2596,
0.3704

 28.1840, 0.2179,
0.4049


 199.6053, 0.2633,
0.3675

 18.4644, 0.2038,
0.4170

 243.4759, 0.2664,
0.3649

 11.2839, 0.1850,
0.4336

293.3452, 0.2692,
0.3627

 6.2582, 0.1589,
0.4577

349.5976, 0.2717,

 3.0027, 0.1202,

0.3607

412.6174, 0.2739,
0.3590

0.4955

1.1331, 0.0000,
0.6026

0.0060, 0.0000,
1.0000

76.4214, 0.2446,
0.3826

76.4214, 0.2446,
0.3826

75.6270, 0.2435,
0.3904

77.5976, 0.2477,
0.3748

75.1338, 0.2441,
0.3981

79.1967, 0.2528,
0.3671


75.0772, 0.2442,
0.3992

81.2642, 0.2598,
0.3596

83.8370, 0.2685,
0.3524

 86.9487, 0.2786,
0.3456

 90.6296, 0.2898,
0.3393

 94.9080, 0.3019,
0.3336

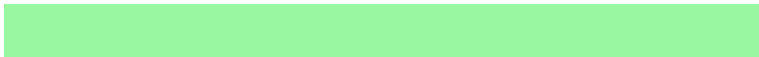
99.3412, 0.3129,
0.3283

99.3592, 0.3128,
0.3280

Harmonies

Analogous

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



76.4214, 0.3040, 0.4387



76.4214, 0.2446, 0.3826



76.4214, 0.2060, 0.3122

Triad

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



76.4214, 0.2446, 0.3826



76.4214, 0.2487, 0.2265



76.4214, 0.4469, 0.3790

Complementary

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



76.4214, 0.2446, 0.3826



24.5815, 0.5376, 0.2982

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.



76.4214, 0.4315, 0.3279



76.4214, 0.2446, 0.3826



76.4214, 0.3098, 0.2449

Square

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



76.4214, 0.2446, 0.3826



76.4214, 0.2089, 0.2296



76.4214, 0.3788, 0.2808



76.4214, 0.4222, 0.4254

Rectangle

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



76.4214, 0.2446, 0.3826



76.4214, 0.1951, 0.2731



76.4214, 0.3788, 0.2808



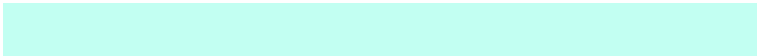
76.4214, 0.4465, 0.3620

Sweetspot

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



76.4244, 0.2446, 0.3826



89.3817, 0.2837, 0.3427



73.7190, 0.3152, 0.5653



18.8577, 0.2798, 0.3449



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.



76.4244, 0.2446, 0.3826



76.0129, 0.2436, 0.3946



48.0625, 0.2095, 0.2550



20.4122, 0.3008, 0.3340



39.6065, 0.2439, 0.3979



3.8720, 0.2414, 0.3890

Inverse Universe

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



24.5815, 0.5376, 0.2982



21.9999, 0.5928, 0.3077



32.6751, 0.5412, 0.3746



18.0495, 0.3261, 0.3240



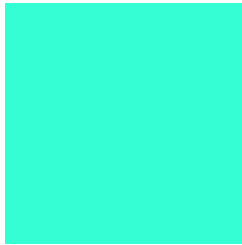
11.2634, 0.6052, 0.3108



1.1117, 0.5750, 0.2941

Previews

White Background



This preview shows how the Yxy color 76.4214, 0.2446, 0.3826 looks on a white background.

Color Contrast Check

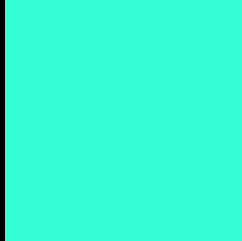
Large Text (above 18pt) WCAG AA × Fail

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 76.4214, 0.2446, 0.3826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

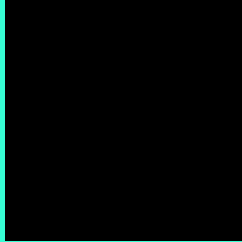
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.4214, 0.2446, 0.3826

Background



This preview shows how black text looks on a background with the Yxy color 76.4214, 0.2446, 0.3826.



This preview shows how white text looks on a background with the Yxy color 76.4214, 0.2446, 0.3826.

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

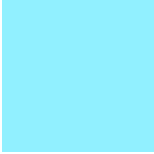
76.4214, 0.2446, 0.3826

Protanopia

74.9590, 0.3395, 0.3590

Deuteranopia

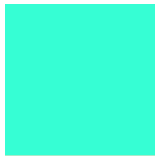
74.7495, 0.3334, 0.3260



Tritanopia

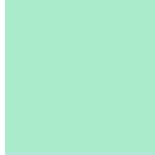
75.5599, 0.2512, 0.3117

Trichromacy



Original Color

76.4214, 0.2446, 0.3826



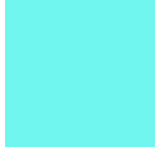
Protanomaly

72.1159, 0.2900, 0.3686



Deuteranomaly

71.0684, 0.2866, 0.3442



Tritanomaly

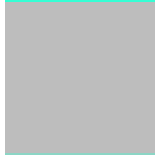
74.9816, 0.2461, 0.3360

Monochromacy



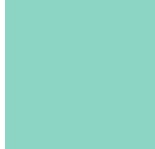
Original Color

76.4214, 0.2446, 0.3826



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

57.1952, 0.2735, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4214, 0.2446, 0.3826 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(54, 254, 212)` looks like.

```
.text, #text, p{  
    color:rgb(54, 254, 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(54, 254, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 254, 212) }
```

Border

The CSS property to change the border of an element to Yxy 76.4214, 0.2446, 0.3826 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(54, 254, 212) }
```

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

```
.border{ border-color:rgb(54, 254, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 254, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 254, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 254, 212);  
box-shadow:4px 4px 4px 4px rgb(54, 254,  
212) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 76.4214, 0.2446, 0.3826$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 254, 212) }
```

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

```
.background{ background-color: rgb(54, 254,  
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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