

Converting Colors

$Yxy(76.7916, 0.2382, 0.3468)$

Have a look what the booklet for
Yxy(76.7916, 0.2382, 0.3468)
contains.

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Color

Yxy(76.6046, 0.2379, 0.3460)

Conversions

Conversions Part 1

Format	Color
Hex	4BFBED
RGB	75, 251, 237
RGB Percent	29%, 98%, 93%
CMY	0.7067, 0.0156, 0.0706
CMYK	0.70, 0.00, 0.06, 0.02
HSL	175°, 96%, 64%
HSV	175°, 70%, 98%
XYZ	52.6712, 76.6046, 92.1248
YIQ	196.7800, -100.4020, -41.6660

Conversions

Conversions Part 2

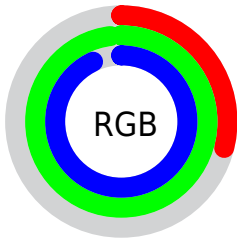
Format	Color
RYB	75, 167, 251
Decimal	4979693
CIELab	90.14, -46.81, -6.16
CIELCh	90, 47.210, 187.502
Yxy	76.6046, 0.2379, 0.3460
Android (android.graphics.Color)	4283169773 (0xFF4BFBED)
YUV	196.7800, 19.8285, -106.8011
Hunter-Lab	87.5241, -45.7474, -1.1398

Details

The Yxy color **76.6046, 0.2379, 0.3460** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **26.2346, 0.5346, 0.3181**, and the grayscale version is **55.5851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8510, 0.2545, 0.3288**, and **41.9198, 0.2305, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **75.6742, 0.2341, 0.3487**, and if you desaturate by 10%, it is **77.9407, 0.2437, 0.3433**.

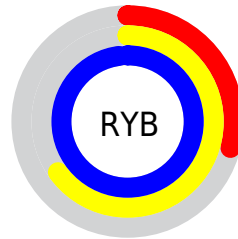
Distribution



Red (29%)

Green (98%)

Blue (93%)



Red (29%)

Yellow (65%)

Blue (98%)

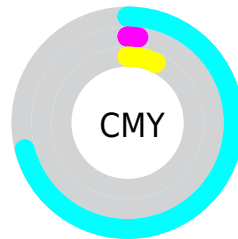


Cyan (70%)

Magenta (0%)

Yellow (6%)

Black (2%)



Cyan (71%)


Magenta (2%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6046, 0.2379, 0.3460 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 76.6046, 0.2379, 0.3460 by changing the saturation by 10% instead.


 76.6046, 0.2379,
0.3460


 76.6046, 0.2379,
0.3460


483.4148, 0.2715,
0.3389

 56.9284, 0.2305,
0.3474


 128.5812, 0.2494,
0.3437

 40.9478, 0.2215,
0.3491


 161.6504, 0.2539,
0.3428

 28.2783, 0.2103,
0.3511


 199.9527, 0.2578,
0.3419

 18.5355, 0.1961,
0.3533

 243.8725, 0.2612,
0.3412

 11.3352, 0.1775,
0.3560

293.7942, 0.2643,
0.3405

 6.2927, 0.1525,
0.3588


350.1023, 0.2669,


 3.0239, 0.1174,

0.3399

0.3610

413.1810, 0.2694,
0.3394

 1.1442, 0.0000,
0.3847

 0.0154, 0.0000,
0.0333


 76.6046, 0.2379,
0.3460


 76.6046, 0.2379,
0.3460


 75.6742, 0.2341,
0.3487

 77.9407, 0.2437,
0.3433


 75.0906, 0.2322,
0.3514


 79.7158, 0.2514,
0.3406

 74.7779, 0.2317,
0.3541


 81.9694, 0.2609,
0.3380


 84.7345, 0.2720,
0.3355

 88.0410, 0.2845,
0.3332

 91.9165, 0.2981,
0.3310

 96.3868, 0.3124,
0.3290

 97.3563, 0.3141,
0.3271

 97.4843, 0.3129,
0.3252

Harmonies

Analogous

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



76.6046, 0.2814, 0.3999



76.6046, 0.2379, 0.3460



76.6046, 0.2150, 0.2922

Triad

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



76.6046, 0.2379, 0.3460



76.6046, 0.2821, 0.2472



76.6046, 0.4189, 0.3924

Complementary

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



76.6046, 0.2379, 0.3460



26.2346, 0.5346, 0.3181

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.



76.6046, 0.4215, 0.3502



76.6046, 0.2379, 0.3460



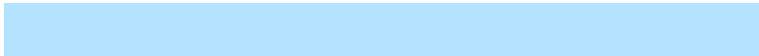
76.6046, 0.3382, 0.2708

Square

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



76.6046, 0.2379, 0.3460



76.6046, 0.2387, 0.2412



76.6046, 0.3910, 0.3072



76.6046, 0.3865, 0.4235

Rectangle

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



76.6046, 0.2379, 0.3460



76.6046, 0.2127, 0.2655



76.6046, 0.3910, 0.3072



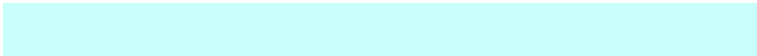
76.6046, 0.4234, 0.3789

Sweetspot

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



76.6075, 0.2379, 0.3460



90.9485, 0.2835, 0.3334



71.6586, 0.3073, 0.5515



19.2545, 0.2799, 0.3340



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.



76.6075, 0.2379, 0.3460



78.1576, 0.2331, 0.3498



40.1316, 0.2084, 0.2314



19.5834, 0.2991, 0.3309



39.3099, 0.2316, 0.3536



3.6476, 0.2307, 0.3504

Inverse Universe

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



26.2346, 0.5346, 0.3181



23.1360, 0.5933, 0.3208



42.2663, 0.4875, 0.3987



17.2476, 0.3282, 0.3271



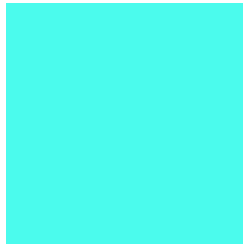
10.8150, 0.6316, 0.3253



1.0091, 0.6129, 0.3150

Previews

White Background



This preview shows how the Yxy color 76.6046, 0.2379, 0.3460 looks on a white background.

Color Contrast Check

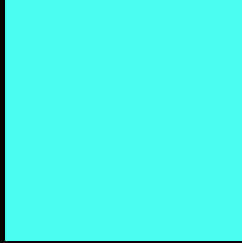
Large Text (above 18pt) WCAG AA × Fail

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 76.6046, 0.2379, 0.3460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

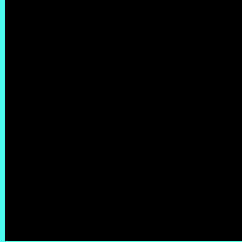
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

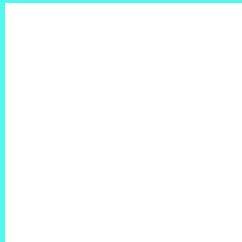
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.6046, 0.2379, 0.3460

Background



This preview shows how black text looks on a background with the Yxy color 76.6046, 0.2379, 0.3460.

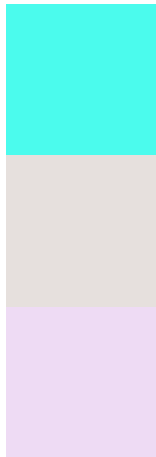


This preview shows how white text looks on a background with the Yxy color 76.6046, 0.2379, 0.3460.

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

76.6046, 0.2379, 0.3460

Protanopia

75.3548, 0.3189, 0.3322

Deuteranopia

75.3718, 0.3097, 0.3035



Tritanopia

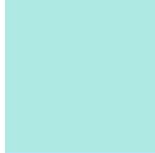
75.7432, 0.2520, 0.3117

Trichromacy



Original Color

76.6046, 0.2379, 0.3460



Protanomaly

73.3904, 0.2789, 0.3370



Deuteranomaly

73.0864, 0.2739, 0.3176



Tritanomaly

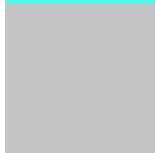
75.5436, 0.2453, 0.3241

Monochromacy



Original Color

76.6046, 0.2379, 0.3460



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

61.1515, 0.2731, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6046, 0.2379, 0.3460 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(75, 251, 237)` looks like.

```
.text, #text, p{  
    color:rgb(75, 251, 237)  
}
```

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(75, 251, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 251, 237) }
```

Border

The CSS property to change the border of an element to Yxy 76.6046, 0.2379, 0.3460 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(75, 251, 237) }
```

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

```
.border{ border-color:rgb(75, 251, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 251, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 251, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 251, 237);  
box-shadow:4px 4px 4px 4px rgb(75, 251,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6046, 0.2379, 0.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 251, 237) }
```

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

```
.background{ background-color: rgb(75, 251,  
237) }
```

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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