

Converting Colors

$Y_{xy}(100.0000, 0.2632, 0.4394)$

Have a look what the booklet for
Yxy(100.0000, 0.2632, 0.4394)
contains.

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Color

Yxy(76.8766, 0.2557, 0.4064)

Conversions

Conversions Part 1

Format	Color
Hex	49FFC3
RGB	73, 255, 195
RGB Percent	29%, 100%, 76%
CMY	0.7129, 0.0000, 0.2353
CMYK	0.71, 0.00, 0.24, 0.00
HSL	160°, 100%, 64%
HSV	160°, 71%, 100%
XYZ	48.3695, 76.8766, 63.9188
YIQ	193.7420, -89.2120, -57.2440

Conversions

Conversions Part 2

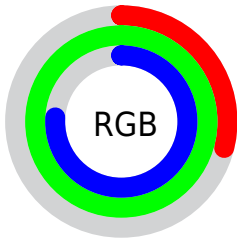
Format	Color
R_{YB}	73, 182, 255
Decimal	4849603
CIE _{Lab}	90.26, -58.85, 15.75
CIE _{LCh}	90, 60.918, 165.015
Yxy	76.8766, 0.2557, 0.4064
Android (android.graphics.Color)	4283039683 (0xFF49FFC3)
YUV	193.7420, 0.6202, -105.8907
Hunter-Lab	87.6793, -54.9669, 18.1527

Details

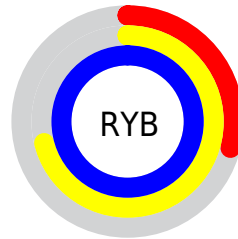
The Yxy color **76.8766, 0.2557, 0.4064** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **27.7503, 0.4754, 0.2755**, and the grayscale version is **53.8600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3879, 0.2545, 0.3322**, and **41.8556, 0.2513, 0.4245** is the 20% darker color. If you saturate the color by 10%, you get **75.7063, 0.2541, 0.4193**, and if you desaturate by 10%, it is **78.4828, 0.2593, 0.3937**.

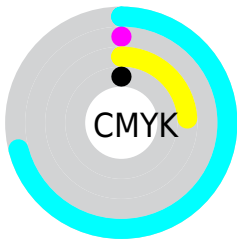
Distribution



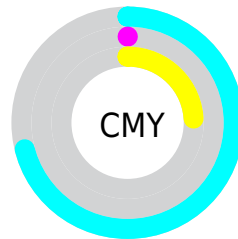
- Red (29%)
- Green (100%)
- Blue (76%)



- Red (29%)
- Yellow (71%)
- Blue (100%)



- Cyan (71%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (71%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8766, 0.2557, 0.4064 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 76.8766, 0.2557, 0.4064 by changing the saturation by 10% instead.


 76.8766, 0.2557,
0.4064

 76.8766, 0.2557,
0.4064


484.3432, 0.2826,
0.3691


 57.1516, 0.2495,
0.4153

 128.9653, 0.2651,
0.3932


 41.1270, 0.2417,
0.4264


 162.0977, 0.2687,
0.3881

 28.4183, 0.2319,
0.4408


 200.4682, 0.2719,
0.3838

 18.6412, 0.2189,
0.4601

 244.4609, 0.2746,
0.3800

 11.4113, 0.2011,
0.4871

294.4604, 0.2769,
0.3768

 6.3442, 0.1756,
0.5275


350.8510, 0.2790,


 3.0555, 0.1353,


0.3739

0.5940


414.0171, 0.2809,
0.3714


 1.1608, 0.0000,
0.8951


 0.0293, 0.0000,
1.0000

 76.8766, 0.2557,
0.4064


 76.8766, 0.2557,
0.4064


 75.7063, 0.2541,
0.4193


 78.4828, 0.2593,
0.3937

 74.9090, 0.2546,
0.4320

 80.5604, 0.2648,
0.3813

 74.4489, 0.2564,
0.4429

 83.1515, 0.2720,
0.3694

 86.2910, 0.2806,
0.3583

■ 90.0105, 0.2902,
0.3480

■ 94.3394, 0.3005,
0.3385

■ 99.3050, 0.3113,
0.3300

■ 99.9947, 0.3127,
0.3290

Harmonies

Analogous

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



76.8766, 0.3221, 0.4558



76.8766, 0.2557, 0.4064



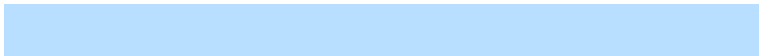
76.8766, 0.2081, 0.3306

Triad

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



76.8766, 0.2557, 0.4064



76.8766, 0.2306, 0.2192



76.8766, 0.4556, 0.3661

Complementary

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



76.8766, 0.2557, 0.4064



27.7503, 0.4754, 0.2755

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.



76.8766, 0.4272, 0.3128



76.8766, 0.2557, 0.4064



76.8766, 0.2897, 0.2328

Square

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



76.8766, 0.2557, 0.4064



76.8766, 0.1960, 0.2290



76.8766, 0.3632, 0.2659



76.8766, 0.4397, 0.4180

Rectangle

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



76.8766, 0.2557, 0.4064



76.8766, 0.1915, 0.2848



76.8766, 0.3632, 0.2659



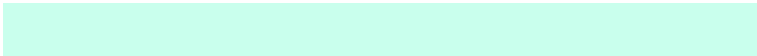
76.8766, 0.4511, 0.3481

Sweetspot

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



76.8796, 0.2557, 0.4064



90.1336, 0.2905, 0.3477



77.0508, 0.3280, 0.5405



19.0586, 0.2877, 0.3504



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.



76.8796, 0.2557, 0.4064



75.2931, 0.2541, 0.4253



62.3298, 0.2226, 0.2911



20.3735, 0.3024, 0.3370



38.9328, 0.2558, 0.4408



3.8110, 0.2518, 0.4265

Inverse Universe

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



27.7503, 0.4754, 0.2755



23.5879, 0.5270, 0.2789



31.5441, 0.5330, 0.3551



18.0859, 0.3242, 0.3212



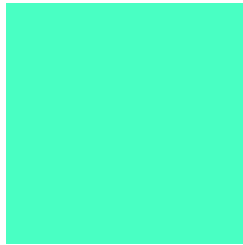
11.4690, 0.5659, 0.2891



1.1359, 0.5341, 0.2716

Previews

White Background



This preview shows how the Yxy color 76.8766, 0.2557, 0.4064 looks on a white background.

Color Contrast Check

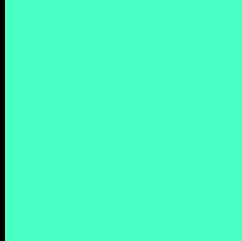
Large Text (above 18pt) WCAG AA × Fail

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 76.8766, 0.2557, 0.4064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

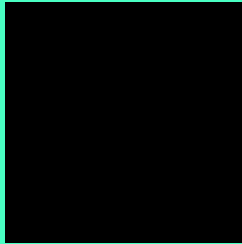
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.8766, 0.2557, 0.4064

Background



This preview shows how black text looks on a background with the Yxy color 76.8766, 0.2557, 0.4064.

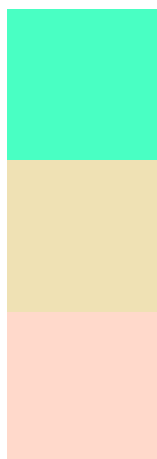


This preview shows how white text looks on a background with the Yxy color 76.8766, 0.2557, 0.4064.

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

76.8766, 0.2557, 0.4064

Protanopia

75.4964, 0.3533, 0.3770

Deuteranopia

75.1975, 0.3508, 0.3434



Tritanopia

76.1195, 0.2539, 0.3118

Trichromacy



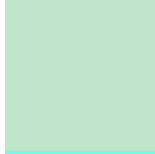
Original Color

76.8766, 0.2557, 0.4064



Protanomaly

73.0774, 0.3060, 0.3899



Deuteranomaly

72.1408, 0.3037, 0.3652



Tritanomaly

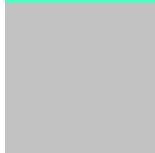
75.3990, 0.2528, 0.3433

Monochromacy



Original Color

76.8766, 0.2557, 0.4064



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.4908, 0.2817, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8766, 0.2557, 0.4064 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(73, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(73, 255, 195)  
}
```

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(73, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 255, 195) }
```

Border

The CSS property to change the border of an element to Yxy 76.8766, 0.2557, 0.4064 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(73, 255, 195) }
```

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

```
.border{ border-color:rgb(73, 255, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(73, 255,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8766, 0.2557, 0.4064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 255, 195) }
```

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

```
.background{ background-color: rgb(73, 255,  
195) }
```

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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