

Converting Colors

$Y_{xy}(76.0078, 0.2565, 0.4196)$

Have a look what the booklet for
Yxy(76.0078, 0.2565, 0.4196)
contains.

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Color

Yxy(76.0258, 0.2566, 0.4196)

Conversions

Conversions Part 1

Format	Color
Hex	3CFFBA
RGB	60, 255, 186
RGB Percent	24%, 100%, 73%
CMY	0.7640, 0.0000, 0.2707
CMYK	0.76, 0.00, 0.27, 0.00
HSL	159°, 100%, 62%
HSV	159°, 76%, 100%
XYZ	46.4924, 76.0258, 58.6681
YIQ	188.8290, -94.0710, -62.7990

Conversions

Conversions Part 2

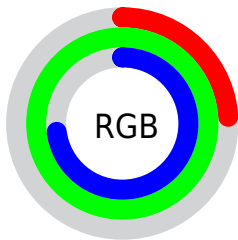
Format	Color
RYB	60, 178, 255
Decimal	3997626
CIELab	89.87, -62.38, 19.79
CIELCh	90, 65.447, 162.399
Yxy	76.0258, 0.2566, 0.4196
Android (android.graphics.Color)	4282187706 (0xFF3CFFBA)
YUV	188.8290, -1.3947, -112.9830
Hunter-Lab	87.1928, -57.4086, 21.1413

Details

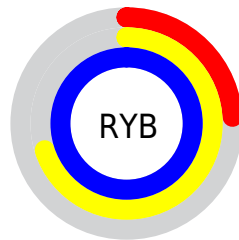
The Yxy color **76.0258, 0.2566, 0.4196** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **26.0997, 0.4862, 0.2709**, and the grayscale version is **50.8638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0817, 0.2557, 0.3438**, and **41.6260, 0.2553, 0.4392** is the 20% darker color. If you saturate the color by 10%, you get **75.0422, 0.2563, 0.4334**, and if you desaturate by 10%, it is **77.4222, 0.2590, 0.4057**.

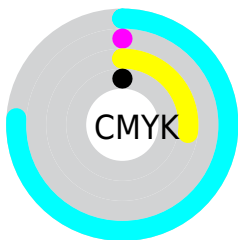
Distribution



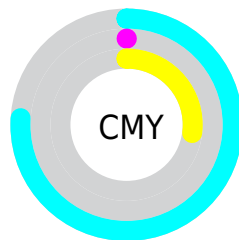
- Red (24%)
- Green (100%)
- Blue (73%)



- Red (24%)
- Yellow (70%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (76%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0258, 0.2566, 0.4196 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 76.0258, 0.2566, 0.4196 by changing the saturation by 10% instead.


 76.0258, 0.2566,
0.4196

 76.0258, 0.2566,
0.4196


481.4360, 0.2835,
0.3755

 56.4537, 0.2503,
0.4302


 127.7634, 0.2661,
0.4039


 40.5668, 0.2424,
0.4436


 160.6976, 0.2697,
0.3979

 27.9807, 0.2322,
0.4610


 198.8547, 0.2728,
0.3927

 18.3111, 0.2187,
0.4844


 242.6189, 0.2755,
0.3883

 11.1736, 0.2000,
0.5174

292.3748, 0.2779,
0.3845

 6.1837, 0.1728,
0.5670


348.5067, 0.2800,


 2.9571, 0.1252,

0.3811

0.6517


411.3989, 0.2818,
0.3781


 1.1094, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 76.0258, 0.2566,
0.4196


 76.0258, 0.2566,
0.4196


 75.0422, 0.2563,
0.4334


 77.4222, 0.2590,
0.4057


 74.4015, 0.2580,
0.4470

 79.2711, 0.2634,
0.3921


 74.2226, 0.2588,
0.4518

 81.6175, 0.2695,
0.3790

 84.4981, 0.2772,
0.3665

 87.9463, 0.2860,
0.3550

 91.9926, 0.2957,
0.3443

 96.6653, 0.3060,
0.3347

 99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



76.0258, 0.3284, 0.4688



76.0258, 0.2566, 0.4196



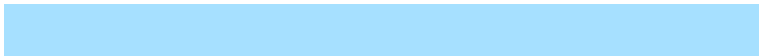
76.0258, 0.2039, 0.3373

Triad

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



76.0258, 0.2566, 0.4196



76.0258, 0.2205, 0.2118



76.0258, 0.4657, 0.3623

Complementary

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



76.0258, 0.2566, 0.4196



26.0997, 0.4862, 0.2709

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.



76.0258, 0.4314, 0.3063



76.0258, 0.2566, 0.4196



76.0258, 0.2813, 0.2244

Square

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



76.0258, 0.2566, 0.4196



76.0258, 0.1865, 0.2241



76.0258, 0.3599, 0.2578



76.0258, 0.4517, 0.4184

Rectangle

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



76.0258, 0.2566, 0.4196



76.0258, 0.1849, 0.2865



76.0258, 0.3599, 0.2578



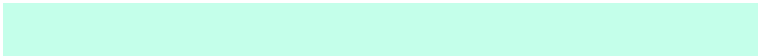
76.0258, 0.4597, 0.3432

Sweetspot

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



76.0288, 0.2566, 0.4196



89.2561, 0.2892, 0.3512



76.7205, 0.3301, 0.5502



18.8077, 0.2858, 0.3552



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.



76.0288, 0.2566, 0.4196



74.6475, 0.2570, 0.4411



64.2363, 0.2213, 0.2965



20.3658, 0.3027, 0.3376



38.8134, 0.2582, 0.4496



3.7999, 0.2539, 0.4342

Inverse Universe

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



26.0997, 0.4862, 0.2709



22.7640, 0.5377, 0.2784



28.2676, 0.5603, 0.3489



18.0934, 0.3238, 0.3206



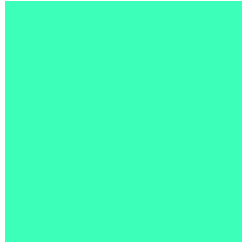
11.5231, 0.5567, 0.2840



1.1418, 0.5252, 0.2667

Previews

White Background



This preview shows how the Yxy color 76.0258, 0.2566, 0.4196 looks on a white background.

Color Contrast Check

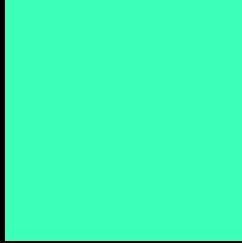
Large Text (above 18pt) WCAG AA × Fail

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 76.0258, 0.2566, 0.4196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

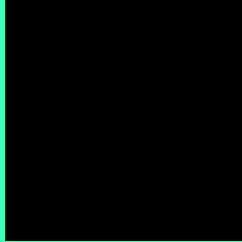
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

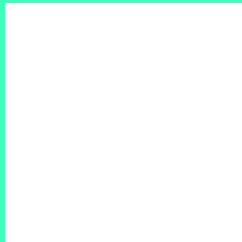
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.0258, 0.2566, 0.4196

Background



This preview shows how black text looks on a background with the Yxy color 76.0258, 0.2566, 0.4196.

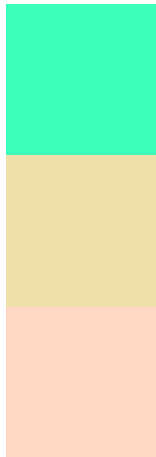


This preview shows how white text looks on a background with the Yxy color 76.0258, 0.2566, 0.4196.

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

76.0258, 0.2566, 0.4196

Protanopia

74.6023, 0.3598, 0.3856

Deuteranopia

74.3573, 0.3562, 0.3496



Tritanopia

75.4695, 0.2507, 0.3117

Trichromacy



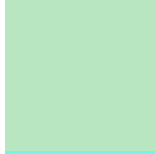
Original Color

76.0258, 0.2566, 0.4196



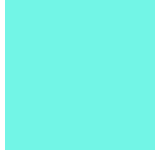
Protanomaly

71.5499, 0.3081, 0.4008



Deuteranomaly

70.5897, 0.3052, 0.3742



Tritanomaly

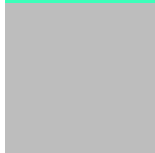
74.5954, 0.2507, 0.3471

Monochromacy



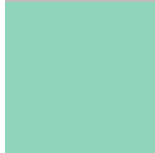
Original Color

76.0258, 0.2566, 0.4196



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

56.9701, 0.2800, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.0258, 0.2566, 0.4196 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(60, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(60, 255, 186)  
}
```

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(60, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 255, 186) }
```

Border

The CSS property to change the border of an element to Yxy 76.0258, 0.2566, 0.4196 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(60, 255, 186) }
```

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

```
.border{ border-color:rgb(60, 255, 186) }
```

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

Here you see how a box with a 4 pixel rgb(60, 255, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(60, 255,  
186) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 76.0258, 0.2566, 0.4196$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 255, 186) }
```

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

```
.background{ background-color: rgb(60, 255,  
186) }
```

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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