

Converting Colors

$Y_{xy}(76.3989, 0.2536, 0.4088)$

Have a look what the booklet for
Yxy(76.3989, 0.2536, 0.4088)
contains.

Yxy(76.4071, 0.2534, 0.4083)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(76.4071, 0.2534, 0.4083)

Conversions

Conversions Part 1

Format	Color
Hex	3DFFC2
RGB	61, 255, 194
RGB Percent	24%, 100%, 76%
CMY	0.7612, 0.0000, 0.2391
CMYK	0.76, 0.00, 0.24, 0.00
HSL	161°, 100%, 62%
HSV	161°, 76%, 100%
XYZ	47.4199, 76.4071, 63.3077
YIQ	190.0400, -96.0430, -60.0990

Conversions

Conversions Part 2

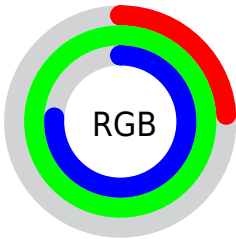
Format	Color
RYB	61, 176, 255
Decimal	4063170
CIELab	90.05, -60.54, 15.91
CIELCh	90, 62.598, 165.273
Yxy	76.4071, 0.2534, 0.4083
Android (android.graphics.Color)	4282253250 (0xFF3DFFC2)
YUV	190.0400, 1.9523, -113.1681
Hunter-Lab	87.4112, -56.1345, 18.2469

Details

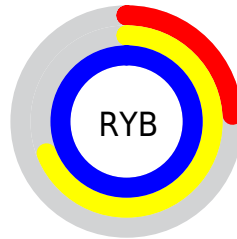
The Yxy color **76.4071, 0.2534, 0.4083** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **25.9879, 0.4972, 0.2784**, and the grayscale version is **51.5296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7193, 0.2522, 0.3334**, and **41.8260, 0.2518, 0.4263** is the 20% darker color. If you saturate the color by 10%, you get **75.4306, 0.2527, 0.4205**, and if you desaturate by 10%, it is **77.7836, 0.2562, 0.3961**.

Distribution



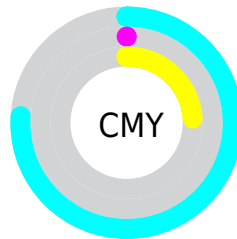
- Red (24%)
- Green (100%)
- Blue (76%)



- Red (24%)
- Yellow (69%)
- Blue (100%)



- Cyan (76%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (76%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.4071, 0.2534, 0.4083 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 76.4071, 0.2534, 0.4083 by changing the saturation by 10% instead.


 76.4071, 0.2534,
0.4083


 76.4071, 0.2534,
0.4083


482.7401, 0.2814,
0.3700

 56.7664, 0.2469,
0.4174


 128.3022, 0.2632,
0.3947

 40.8177, 0.2388,
0.4289


 161.3254, 0.2670,
0.3895

 28.1767, 0.2286,
0.4437


 199.5782, 0.2702,
0.3851

 18.4589, 0.2151,
0.4636

 243.4450, 0.2731,
0.3812

 11.2799, 0.1966,
0.4915

293.3102, 0.2755,
0.3779

 6.2555, 0.1701,
0.5332

349.5582, 0.2777,

 3.0010, 0.1269,

0.3749

0.6028

412.5734, 0.2796,
0.3723

■ 1.1323, 0.0000,
0.9199

■ 0.0053, 0.0000,
1.0000

■ 76.4071, 0.2534,
0.4083

■ 76.4071, 0.2534,
0.4083

■ 75.4306, 0.2527,
0.4205

■ 77.7836, 0.2562,
0.3961

■ 74.7989, 0.2539,
0.4324

■ 79.6137, 0.2609,
0.3842

■ 74.6116, 0.2547,
0.4370

■ 81.9371, 0.2675,
0.3727

■ 84.7904, 0.2756,
0.3618

88.2068, 0.2849,
0.3517

92.2165, 0.2951,
0.3423

96.8479, 0.3059,
0.3338

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.



76.4071, 0.3214, 0.4597



76.4071, 0.2534, 0.4083



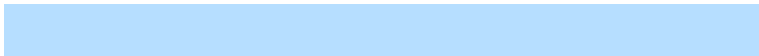
76.4071, 0.2049, 0.3298

Triad

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



76.4071, 0.2534, 0.4083



76.4071, 0.2288, 0.2164



76.4071, 0.4598, 0.3670

Complementary

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



76.4071, 0.2534, 0.4083



25.9879, 0.4972, 0.2784

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.



76.4071, 0.4311, 0.3126



76.4071, 0.2534, 0.4083



76.4071, 0.2896, 0.2306

Square

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



76.4071, 0.2534, 0.4083



76.4071, 0.1932, 0.2261



76.4071, 0.3653, 0.2646



76.4071, 0.4427, 0.4203

Rectangle

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



76.4071, 0.2534, 0.4083



76.4071, 0.1883, 0.2827



76.4071, 0.3653, 0.2646



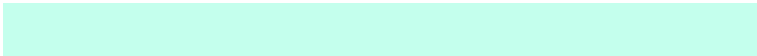
76.4071, 0.4554, 0.3486

Sweetspot

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



76.4054, 0.2534, 0.4083



89.3926, 0.2880, 0.3487



76.0198, 0.3251, 0.5532



18.8409, 0.2844, 0.3521



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.



76.4054, 0.2534, 0.4083



75.0839, 0.2531, 0.4263



59.0881, 0.2182, 0.2839



20.3786, 0.3022, 0.3366



39.0144, 0.2542, 0.4351



3.8185, 0.2504, 0.4214

Inverse Universe

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



25.9879, 0.4972, 0.2784



22.7122, 0.5492, 0.2858



30.0496, 0.5505, 0.3572



18.0811, 0.3245, 0.3216



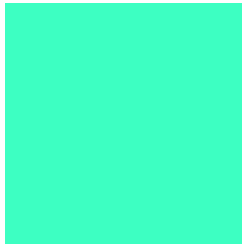
11.4358, 0.5718, 0.2924



1.1322, 0.5398, 0.2747

Previews

White Background



This preview shows how the Yxy color 76.4071, 0.2534, 0.4083 looks on a white background.

Color Contrast Check

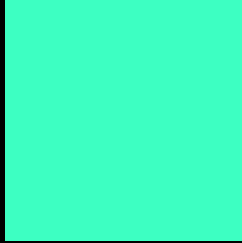
Large Text (above 18pt) WCAG AA × Fail

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 76.4071, 0.2534, 0.4083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

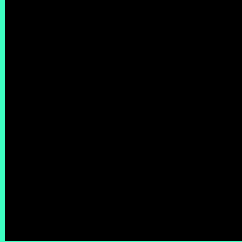
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.4071, 0.2534, 0.4083

Background



This preview shows how black text looks on a background with the Yxy color 76.4071, 0.2534, 0.4083.



This preview shows how white text looks on a background with the Yxy color 76.4071, 0.2534, 0.4083.

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

76.4071, 0.2534, 0.4083

Protanopia

74.7431, 0.3535, 0.3772

Deuteranopia

74.4944, 0.3503, 0.3424



Tritanopia

75.7432, 0.2520, 0.3117

Trichromacy



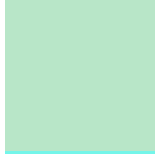
Original Color

76.4071, 0.2534, 0.4083



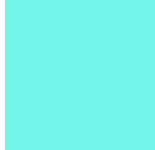
Protanomaly

71.8760, 0.3034, 0.3907



Deuteranomaly

70.9541, 0.3004, 0.3644



Tritanomaly

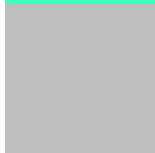
74.9010, 0.2501, 0.3434

Monochromacy



Original Color

76.4071, 0.2534, 0.4083



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

57.6944, 0.2789, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4071, 0.2534, 0.4083 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(61, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(61, 255, 194)  
}
```

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(61, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 255, 194) }
```

Border

The CSS property to change the border of an element to Yxy 76.4071, 0.2534, 0.4083 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(61, 255, 194) }
```

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

```
.border{ border-color:rgb(61, 255, 194) }
```

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

Here you see how a box with a 4 pixel rgb(61, 255, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(61, 255,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4071, 0.2534, 0.4083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 255, 194) }
```

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

```
.background{ background-color: rgb(61, 255,  
194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor