

# Converting Colors

$Y_{xy}(76.1771, 0.2354, 0.3531)$

Have a look what the booklet for  
Yxy(76.1771, 0.2354, 0.3531)  
contains.

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# Color

**Yxy(76.1821, 0.2352, 0.3525)**

# Conversions

## Conversions Part 1

Format	Color
Hex	32FCE9
RGB	50, 252, 233
RGB Percent	20%, 99%, 91%
CMY	0.8040, 0.0117, 0.0863
CMYK	0.80, 0.00, 0.08, 0.01
HSL	174°, 97%, 59%
HSV	174°, 80%, 99%
XYZ	50.8313, 76.1821, 89.1060
YIQ	189.4360, -114.2930, -48.7330

# Conversions

## Conversions Part 2

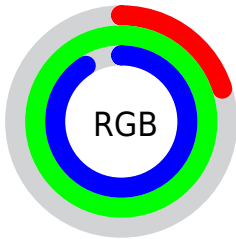
<b>Format</b>	<b>Color</b>
<b>RYB</b>	50, 156, 252
Decimal	3341545
CIELab	89.94, -50.80, -4.41
CIELCh	90, 50.994, 184.963
Yxy	76.1821, 0.2352, 0.3525
Android (android.graphics.Color)	4281531625 (0xFF32FCE9)
YUV	189.4360, 21.4771, -122.2854
Hunter-Lab	87.2824, -48.7897, 0.5688

# Details

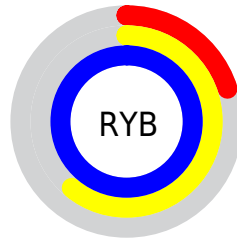
The Yxy color **76.1821, 0.2352, 0.3525** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.4068, 0.5749, 0.3177**, and the grayscale version is **51.0745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **41.7579, 0.2323, 0.3563** is the 20% darker color. If you saturate the color by 10%, you get **75.5765, 0.2334, 0.3557**, and if you desaturate by 10%, it is **77.1472, 0.2389, 0.3492**.

# Distribution



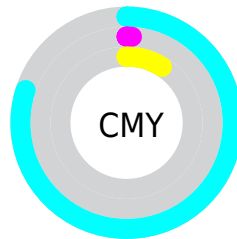
- Red (20%)
- Green (99%)
- Blue (91%)



- Red (20%)
- Yellow (61%)
- Blue (99%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (1%)




- Cyan (80%)
- Magenta (1%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.1821, 0.2352, 0.3525 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 76.1821, 0.2352, 0.3525 by changing the saturation by 10% instead.



 76.1821, 0.2352,  
0.3525


 76.1821, 0.2352,  
0.3525


481.9708, 0.2701,  
0.3423


 56.5818, 0.2275,  
0.3546


 127.9843, 0.2471,  
0.3491

 40.6696, 0.2181,  
0.3572


 160.9550, 0.2518,  
0.3478

 28.0610, 0.2065,  
0.3603


 199.1513, 0.2559,  
0.3466

 18.3717, 0.1917,  
0.3640

 242.9576, 0.2594,  
0.3455

 11.2171, 0.1723,  
0.3687

292.7584, 0.2626,  
0.3446

 6.2131, 0.1462,  
0.3743


348.9379, 0.2654,

 2.9751, 0.1098,


0.3438


0.3807


411.8806, 0.2679,  
0.3430


 1.1187, 0.0000,  
0.4092


 0.0000, 0.0000,  
0.0000


 76.1821, 0.2352,  
0.3525


 76.1821, 0.2352,  
0.3525


 75.5765, 0.2334,  
0.3557

 77.1472, 0.2389,  
0.3492

 75.2417, 0.2330,  
0.3589

 78.5137, 0.2446,  
0.3460


 80.3268, 0.2522,  
0.3428


 82.6237, 0.2616,  
0.3397

 85.4374, 0.2726,  
0.3367

 88.7982, 0.2850,  
0.3340

 92.7340, 0.2984,  
0.3314

 97.2708, 0.3125,  
0.3290

 98.0622, 0.3132,  
0.3268

# Harmonies

## Analogous

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



76.1821, 0.2832, 0.4104



76.1821, 0.2352, 0.3525



76.1821, 0.2089, 0.2931

# Triad

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



76.1821, 0.2352, 0.3525



76.1821, 0.2749, 0.2401



76.1821, 0.4288, 0.3928

# Complementary

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



76.1821, 0.2352, 0.3525



23.4068, 0.5749, 0.3177

# 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.



76.1821, 0.4290, 0.3471



76.1821, 0.2352, 0.3525



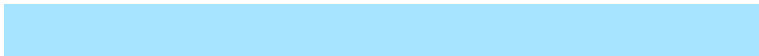
76.1821, 0.3348, 0.2638

# Square

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



76.1821, 0.2352, 0.3525



76.1821, 0.2301, 0.2352



76.1821, 0.3933, 0.3016



76.1821, 0.3957, 0.4287



# Rectangle

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



76.1821, 0.2352, 0.3525



76.1821, 0.2051, 0.2633



76.1821, 0.3933, 0.3016



76.1821, 0.4330, 0.3781

# Sweetspot

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



76.1850, 0.2352, 0.3525



89.8173, 0.2801, 0.3350



71.1641, 0.3062, 0.5746



18.9640, 0.2757, 0.3360



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.



76.1850, 0.2352, 0.3525



77.4094, 0.2331, 0.3576



36.9079, 0.1995, 0.2199



19.5788, 0.2993, 0.3312



39.2041, 0.2329, 0.3583



3.6389, 0.2318, 0.3545



# Inverse Universe

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



23.4068, 0.5749, 0.3177



21.5926, 0.6246, 0.3240



37.1049, 0.5219, 0.3967



17.2517, 0.3279, 0.3268



10.8234, 0.6296, 0.3242

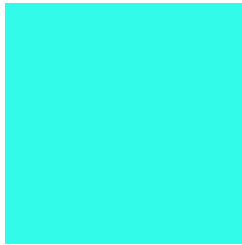


1.0111, 0.6082, 0.3124



# Previews

## White Background



This preview shows how the Yxy color 76.1821, 0.2352, 0.3525 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

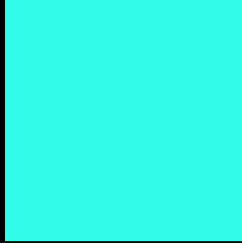
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.1821, 0.2352, 0.3525 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

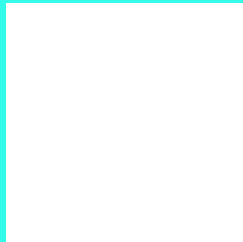
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.1821, 0.2352, 0.3525**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.1821, 0.2352, 0.3525.

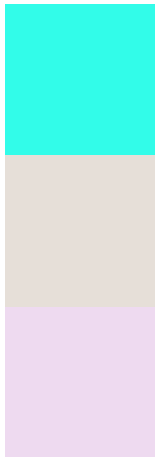


This preview shows how white text looks on a background with the Yxy color 76.1821, 0.2352, 0.3525.

# 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

76.1821, 0.2352, 0.3525

### Protanopia

74.5562, 0.3223, 0.3365

### Deuteranopia

74.6112, 0.3124, 0.3064



## Tritanopia

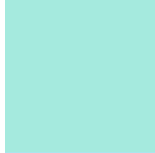
75.2910, 0.2498, 0.3116

# Trichromacy



## Original Color

76.1821, 0.2352, 0.3525



## Protanomaly

72.1189, 0.2765, 0.3431



## Deuteranomaly

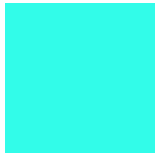
71.2541, 0.2708, 0.3208



## Tritanomaly

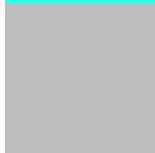
74.6680, 0.2415, 0.3252

# Monochromacy



## Original Color

76.1821, 0.2352, 0.3525



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

56.8980, 0.2676, 0.3381

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.1821, 0.2352, 0.3525 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(50, 252, 233)` looks like.

```
.text, #text, p{  
    color:rgb(50, 252, 233)  
}
```

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(50, 252, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 252, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 76.1821, 0.2352, 0.3525 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(50, 252, 233) }
```

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

```
.border{ border-color:rgb(50, 252, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 252, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 252, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 252, 233);  
box-shadow:4px 4px 4px 4px rgb(50, 252,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.1821, 0.2352, 0.3525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 252, 233) }
```

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

```
.background{ background-color: rgb(50, 252,  
233) }
```

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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