

# Converting Colors

$Y_{xy}(76.3295, 0.2525, 0.4075)$

Have a look what the booklet for  
Yxy(76.3295, 0.2525, 0.4075)  
contains.

<b>Yxy(76.3597, 0.2524, 0.4071)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(76.3597, 0.2524, 0.4071)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3AFFC3
RGB	58, 255, 195
RGB Percent	23%, 100%, 76%
CMY	0.7736, 0.0000, 0.2353
CMYK	0.77, 0.00, 0.24, 0.00
HSL	162°, 100%, 61%
HSV	162°, 77%, 100%
XYZ	47.3426, 76.3597, 63.8675
YIQ	189.2570, -98.1520, -60.4240

# Conversions

## Conversions Part 2

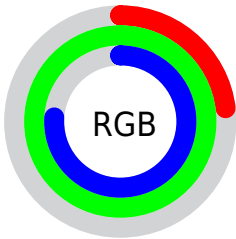
<b>Format</b>	<b>Color</b>
<b>RYB</b>	58, 174, 255
Decimal	3866563
CIELab	90.03, -60.66, 15.39
CIELCh	90, 62.583, 165.769
Yxy	76.3597, 0.2524, 0.4071
Android (android.graphics.Color)	4282056643 (0xFF3AFFC3)
YUV	189.2570, 2.8313, -115.1124
Hunter-Lab	87.3840, -56.2149, 17.8347

# Details

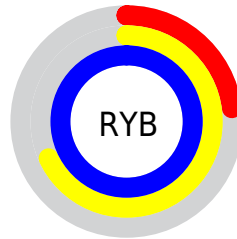
The Yxy color **76.3597, 0.2524, 0.4071** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **25.5615, 0.5047, 0.2805**, and the grayscale version is **51.0206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6166, 0.2510, 0.3322**, and **41.8556, 0.2513, 0.4245** is the 20% darker color. If you saturate the color by 10%, you get **75.4288, 0.2518, 0.4188**, and if you desaturate by 10%, it is **77.6696, 0.2550, 0.3953**.

# Distribution



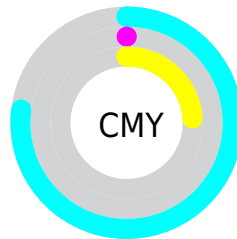
- Red (23%)
- Green (100%)
- Blue (76%)



- Red (23%)
- Yellow (68%)
- Blue (100%)



- Cyan (77%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (77%)
- Magenta (0%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3597, 0.2524, 0.4071 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 76.3597, 0.2524, 0.4071 by changing the saturation by 10% instead.



 76.3597, 0.2524,  
0.4071

 76.3597, 0.2524,  
0.4071


482.5781, 0.2808,  
0.3694


 56.7275, 0.2458,  
0.4161


 128.2352, 0.2623,  
0.3937

 40.7865, 0.2377,  
0.4273


 161.2474, 0.2662,  
0.3886

 28.1523, 0.2273,  
0.4419


 199.4883, 0.2695,  
0.3843

 18.4405, 0.2136,  
0.4614

 243.3423, 0.2723,  
0.3805

 11.2667, 0.1950,  
0.4887

293.1940, 0.2748,  
0.3772

 6.2465, 0.1684,  
0.5296


349.4275, 0.2771,


 2.9956, 0.1250,


0.3743


0.5978


412.4275, 0.2790,  
0.3717


 1.1294, 0.0000,  
0.8947


 0.0029, 0.0000,  
1.0000


 76.3597, 0.2524,  
0.4071


 76.3597, 0.2524,  
0.4071


 75.4288, 0.2518,  
0.4188


 77.6696, 0.2550,  
0.3953


 74.8375, 0.2532,  
0.4304

 79.4329, 0.2596,  
0.3838


 74.7115, 0.2537,  
0.4334


 81.6835, 0.2660,  
0.3726

 84.4586, 0.2741,  
0.3620

 87.7915, 0.2833,  
0.3521

 91.7129, 0.2936,  
0.3430

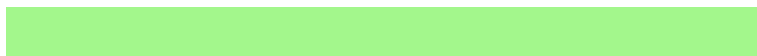
 96.2512, 0.3044,  
0.3346

 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.



76.3597, 0.3202, 0.4593



76.3597, 0.2524, 0.4071



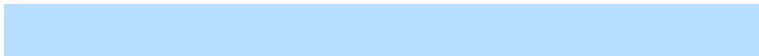
76.3597, 0.2044, 0.3285

# Triad

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



76.3597, 0.2524, 0.4071



76.3597, 0.2296, 0.2165



76.3597, 0.4598, 0.3680

# Complementary

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



76.3597, 0.2524, 0.4071



25.5615, 0.5047, 0.2805

# 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.



76.3597, 0.4319, 0.3135



76.3597, 0.2524, 0.4071



76.3597, 0.2908, 0.2310

# Square

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



76.3597, 0.2524, 0.4071



76.3597, 0.1936, 0.2257



76.3597, 0.3665, 0.2653



76.3597, 0.4421, 0.4211



# Rectangle

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



76.3597, 0.2524, 0.4071



76.3597, 0.1881, 0.2817



76.3597, 0.3665, 0.2653



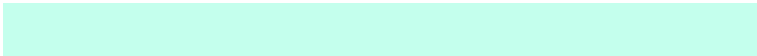
76.3597, 0.4557, 0.3495

# Sweetspot

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



76.3514, 0.2524, 0.4071



89.4265, 0.2877, 0.3480



75.8304, 0.3247, 0.5560



18.8491, 0.2841, 0.3514



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.



76.3514, 0.2524, 0.4071



75.0602, 0.2524, 0.4254



58.6886, 0.2174, 0.2831



20.3818, 0.3021, 0.3363



39.0662, 0.2532, 0.4315



3.8232, 0.2495, 0.4183



# Inverse Universe

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



25.5615, 0.5047, 0.2805



22.4258, 0.5591, 0.2896



29.5507, 0.5555, 0.3569



18.0780, 0.3246, 0.3218



11.4161, 0.5754, 0.2943

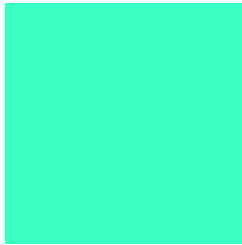


1.1300, 0.5433, 0.2767



# Previews

## White Background



This preview shows how the Yxy color 76.3597, 0.2524, 0.4071 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

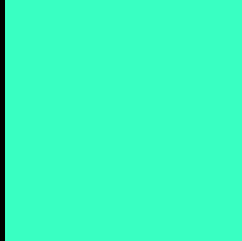
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.3597, 0.2524, 0.4071 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

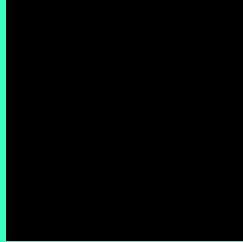
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 76.3597, 0.2524, 0.4071**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.3597, 0.2524, 0.4071.



This preview shows how white text looks on a background with the Yxy color 76.3597, 0.2524, 0.4071.

# 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

76.3597, 0.2524, 0.4071

### Protanopia

74.7837, 0.3528, 0.3761

### Deuteranopia

74.4944, 0.3503, 0.3424



## Tritanopia

75.6512, 0.2516, 0.3117

# Trichromacy



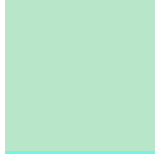
## Original Color

76.3597, 0.2524, 0.4071



## Protanomaly

71.6901, 0.3015, 0.3897



## Deuteranomaly

70.8310, 0.2998, 0.3645



## Tritanomaly

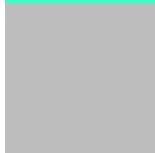
74.7654, 0.2494, 0.3434

# Monochromacy



## Original Color

76.3597, 0.2524, 0.4071



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

57.0128, 0.2776, 0.3582

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.3597, 0.2524, 0.4071 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(58, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(58, 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(58, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 255, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 76.3597, 0.2524, 0.4071 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(58, 255, 195) }
```

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

```
.border{ border-color:rgb(58, 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(58, 255, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(58, 255,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.3597, 0.2524, 0.4071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 255, 195) }
```

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

```
.background{ background-color: rgb(58, 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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