

# Converting Colors

$Yxy(76.3641, 0.2542, 0.3432)$

Have a look what the booklet for  
Yxy(76.3641, 0.2542, 0.3432)  
contains.

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# Color

**Yxy(76.3641, 0.2542, 0.3432)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FF6EA
RGB	127, 246, 234
RGB Percent	50%, 96%, 92%
CMY	0.5018, 0.0353, 0.0824
CMYK	0.48, 0.00, 0.05, 0.04
HSL	174°, 87%, 73%
HSV	174°, 48%, 96%
XYZ	56.5611, 76.3641, 89.5810
YIQ	209.0510, -67.0720, -28.9600

# Conversions

## Conversions Part 2

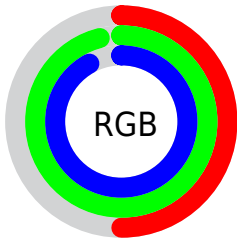
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">127, 190, 246</a>
Decimal	<a href="#">8386282</a>
CIELab	<a href="#">90.03, -36.46, -4.60</a>
CIElCh	<a href="#">90, 36.745, 187.189</a>
Yxy	<a href="#">76.3641, 0.2542, 0.3432</a>
Android (android.graphics.Color)	<a href="#">4286576362</a> ( <a href="#">0xFF7FF6EA</a> )
YUV	<a href="#">209.0510, 12.2999, -71.9587</a>
Hunter-Lab	<a href="#">87.3866, -37.3921, 0.3917</a>

# Details

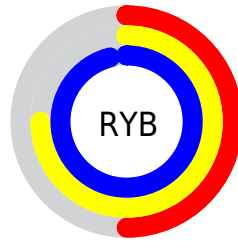
The Yxy color **76.3641, 0.2542, 0.3432** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **36.6500, 0.4341, 0.3165**, and the grayscale version is **63.7542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **40.6995, 0.2412, 0.3463** is the 20% darker color. If you saturate the color by 10%, you get **74.5605, 0.2463, 0.3466**, and if you desaturate by 10%, it is **78.6368, 0.2639, 0.3399**.

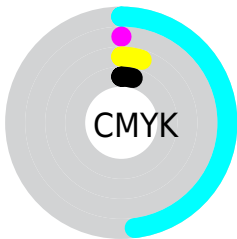
# Distribution



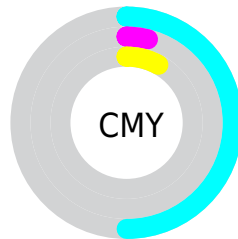
- Red (50%)
- Green (96%)
- Blue (92%)



- Red (50%)
- Yellow (75%)
- Blue (96%)



- Cyan (48%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)




- Cyan (50%)
- Magenta (4%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.3641, 0.2542, 0.3432 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 76.3641, 0.2542, 0.3432 by changing the saturation by 10% instead.





 76.3641, 0.2542,  
0.3432

 76.3641, 0.2542,  
0.3432


482.5932, 0.2807,  
0.3371


 56.7311, 0.2483,  
0.3445


 128.2415, 0.2633,  
0.3412

 40.7894, 0.2411,  
0.3460


 161.2546, 0.2668,  
0.3404

 28.1546, 0.2321,  
0.3479


 199.4966, 0.2699,  
0.3396

 18.4422, 0.2206,  
0.3501

243.3519, 0.2726,  
0.3390

 11.2679, 0.2053,  
0.3529

293.2047, 0.2750,  
0.3385

 6.2473, 0.1842,  
0.3564

349.4397, 0.2771,

 2.9961, 0.1535,

0.3380

412.4410, 0.2790,  
0.3375

0.3604

1.1297, 0.0561,  
0.3838

0.0031, 0.0000,  
0.0095

76.3641, 0.2542,  
0.3432

76.3641, 0.2542,  
0.3432

74.5605, 0.2463,  
0.3466

78.6368, 0.2639,  
0.3399

73.1828, 0.2403,  
0.3501


81.4003, 0.2751,  
0.3368

72.1953, 0.2363,  
0.3536


84.6857, 0.2875,  
0.3338

71.5518, 0.2342,  
0.3571


88.5189, 0.3010,  
0.3311


 71.1878, 0.2337,  
0.3606

 92.9241, 0.3151,  
0.3286

 71.1399, 0.2337,  
0.3612

 94.0055, 0.3168,  
0.3262

 94.1617, 0.3153,  
0.3238

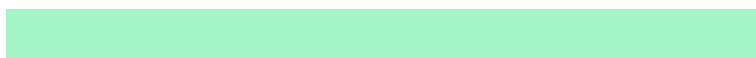
 94.3199, 0.3138,  
0.3215

 94.3924, 0.3131,  
0.3204

# Harmonies

## Analogous

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



76.3641, 0.2893, 0.3834



76.3641, 0.2542, 0.3432



76.3641, 0.2351, 0.3016

# Triad

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



76.3641, 0.2542, 0.3432



76.3641, 0.2887, 0.2634



76.3641, 0.3961, 0.3801

# Complementary

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



76.3641, 0.2542, 0.3432



36.6500, 0.4341, 0.3165

# 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.



76.3641, 0.3971, 0.3468



76.3641, 0.2542, 0.3432



76.3641, 0.3326, 0.2824

# Square

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



76.3641, 0.2542, 0.3432



76.3641, 0.2539, 0.2592



76.3641, 0.3733, 0.3120



76.3641, 0.3717, 0.4031



# Rectangle

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



76.3641, 0.2542, 0.3432



76.3641, 0.2329, 0.2801



76.3641, 0.3733, 0.3120



76.3641, 0.3993, 0.3697

# Sweetspot

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



76.3671, 0.2542, 0.3432



93.2069, 0.2919, 0.3329



73.1020, 0.3131, 0.4792



19.7696, 0.2891, 0.3335



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.



76.3671, 0.2542, 0.3432



80.9461, 0.2465, 0.3465



52.6645, 0.2382, 0.2718



18.7272, 0.2994, 0.3314



37.9833, 0.2335, 0.3606



3.3465, 0.2323, 0.3562



# Inverse Universe

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



36.6500, 0.4341, 0.3165



33.2027, 0.4745, 0.3149



50.8781, 0.4216, 0.3782



16.5097, 0.3278, 0.3266



10.5043, 0.6284, 0.3235

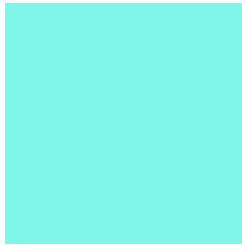


0.9321, 0.6047, 0.3105



# Previews

## White Background



This preview shows how the Yxy color 76.3641, 0.2542, 0.3432 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

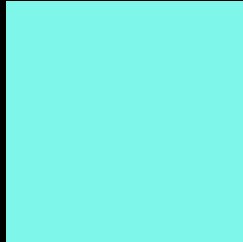
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.3641, 0.2542, 0.3432 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

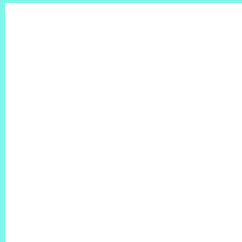
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.3641, 0.2542, 0.3432**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.3641, 0.2542, 0.3432.

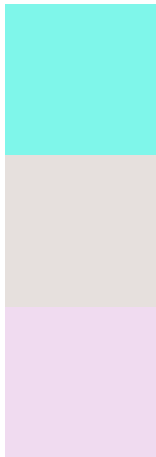


This preview shows how white text looks on a background with the Yxy color 76.3641, 0.2542, 0.3432.

# 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

76.3641, 0.2542, 0.3432

### Protanopia

75.3548, 0.3189, 0.3322

### Deuteranopia

75.4796, 0.3137, 0.3075



## Tritanopia

76.1211, 0.2565, 0.3108

# Trichromacy



## Original Color

76.3641, 0.2542, 0.3432



## Protanomaly

74.5417, 0.2908, 0.3357



## Deuteranomaly

74.3538, 0.2875, 0.3190



## Tritanomaly

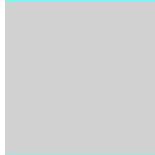
76.3307, 0.2556, 0.3231

# Monochromacy



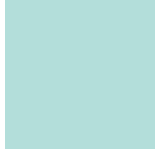
## Original Color

76.3641, 0.2542, 0.3432



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

66.8882, 0.2862, 0.3337

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  76.3641, 0.2542, 0.3432 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(127, 246, 234)` looks like.

```
.text, #text, p{  
    color:rgb(127, 246, 234)  
}
```

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(127, 246, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 246, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 76.3641, 0.2542, 0.3432 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(127, 246, 234) }
```

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

```
.border{ border-color:rgb(127, 246, 234) }
```

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

Here you see how a box with a 4 pixel rgb(127, 246, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 246, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 246, 234);  
box-shadow:4px 4px 4px 4px rgb(127, 246,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.3641, 0.2542, 0.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 246, 234) }
```

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

```
.background{ background-color: rgb(127,  
246, 234) }
```

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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