

# Converting Colors

$Y_{xy}(72.0921, 0.2375, 0.3729)$

Have a look what the booklet for  
Yxy(72.0921, 0.2375, 0.3729)  
contains.

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# Color

**Yxy(72.0754, 0.2376, 0.3733)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0DF8D6
RGB	13, 248, 214
RGB Percent	5%, 97%, 84%
CMY	0.9482, 0.0275, 0.1607
CMYK	0.95, 0.00, 0.14, 0.03
HSL	171°, 94%, 51%
HSV	171°, 95%, 97%
XYZ	45.8749, 72.0754, 75.1260
YIQ	173.8590, -129.1460, -60.3940

# Conversions

## Conversions Part 2

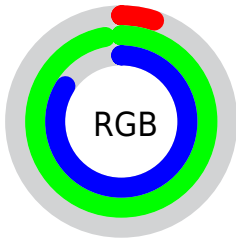
Format	Color
<a href="#">RYB</a>	<a href="#">13, 140, 248</a>
Decimal	<a href="#">915670</a>
CIELab	<a href="#">88.00, -56.09, 2.59</a>
CIELCh	<a href="#">88, 56.149, 177.356</a>
Yxy	<a href="#">72.0754, 0.2376, 0.3733</a>
Android (android.graphics.Color)	<a href="#">4279105750</a> ( <a href="#">0xFF0DF8D6</a> )
YUV	<a href="#">173.8590, 19.7895, -141.0733</a>
Hunter-Lab	<a href="#">84.8972, -52.1162, 6.9620</a>

# Details

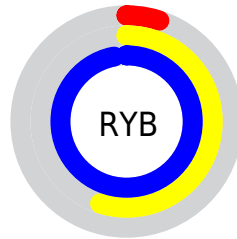
The Yxy color **72.0754, 0.2376, 0.3733** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **20.4566, 0.6113, 0.3176**, and the grayscale version is **42.2333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **39.3301, 0.2393, 0.3815** is the 20% darker color. If you saturate the color by 10%, you get **71.8938, 0.2378, 0.3760**, and if you desaturate by 10%, it is **72.5888, 0.2382, 0.3682**.

# Distribution



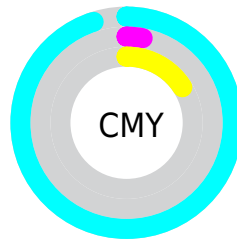
- Red (5%)
- Green (97%)
- Blue (84%)



- Red (5%)
- Yellow (55%)
- Blue (97%)



- Cyan (95%)
- Magenta (0%)
- Yellow (14%)
- Black (3%)




- Cyan (95%)
- Magenta (3%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0754, 0.2376, 0.3733 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 72.0754, 0.2376, 0.3733 by changing the saturation by 10% instead.





 72.0754, 0.2376,  
0.3733


 72.0754, 0.2376,  
0.3733


467.8040, 0.2722,  
0.3527


 53.2203, 0.2298,  
0.3780


 122.1637, 0.2495,  
0.3661


 37.9786, 0.2202,  
0.3839


 154.1657, 0.2542,  
0.3633

 25.9661, 0.2082,  
0.3912


 191.3188, 0.2582,  
0.3609

 16.7983, 0.1927,  
0.4009

 234.0073, 0.2617,  
0.3589

 10.0908, 0.1720,  
0.4139

 282.6157, 0.2648,  
0.3570

 5.4592, 0.1435,  
0.4323


337.5283, 0.2675,

 2.5191, 0.0966,


0.3554


0.4631


399.1296, 0.2700,  
0.3540

 0.8862, 0.0000,  
0.5306


 0.0000, 0.0000,  
0.0000


 72.0754, 0.2376,  
0.3733


 72.0754, 0.2376,  
0.3733

 71.8938, 0.2378,  
0.3760

 72.5888, 0.2382,  
0.3682

 73.4166, 0.2407,  
0.3630

 74.6155, 0.2451,  
0.3578

 76.2293, 0.2515,  
0.3527

■ 78.2957, 0.2598,  
0.3478

■ 80.8481, 0.2696,  
0.3431

■ 83.9168, 0.2809,  
0.3386

■ 87.5297, 0.2932,  
0.3345

■ 91.7125, 0.3064,  
0.3307

# Harmonies

## Analogous

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



72.0754, 0.2951, 0.4338



72.0754, 0.2376, 0.3733



72.0754, 0.2024, 0.3033

# Triad

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



72.0754, 0.2376, 0.3733



72.0754, 0.2556, 0.2274



72.0754, 0.4463, 0.3859

# Complementary

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



72.0754, 0.2376, 0.3733



20.4566, 0.6113, 0.3176

# 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.



72.0754, 0.4366, 0.3347



72.0754, 0.2376, 0.3733



72.0754, 0.3192, 0.2486

# Square

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



72.0754, 0.2376, 0.3733



72.0754, 0.2124, 0.2274



72.0754, 0.3878, 0.2865



72.0754, 0.4168, 0.4310



# Rectangle

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



72.0754, 0.2376, 0.3733



72.0754, 0.1939, 0.2662



72.0754, 0.3878, 0.2865



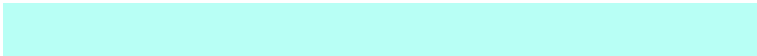
72.0754, 0.4478, 0.3690

# Sweetspot

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



72.0782, 0.2376, 0.3733



88.2333, 0.2770, 0.3401



67.8033, 0.3051, 0.5931



18.5860, 0.2721, 0.3420



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.



72.0782, 0.2376, 0.3733



76.5870, 0.2378, 0.3761



34.0734, 0.1937, 0.2149



19.5629, 0.3000, 0.3324



38.8533, 0.2376, 0.3752



3.6099, 0.2359, 0.3691



# Inverse Universe

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



20.4566, 0.6113, 0.3176



21.3930, 0.6238, 0.3210



28.2409, 0.5742, 0.3779



17.2661, 0.3271, 0.3256



10.8611, 0.6207, 0.3193

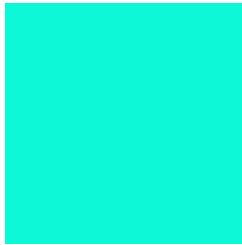


1.0179, 0.5927, 0.3039



# Previews

## White Background



This preview shows how the Yxy color 72.0754, 0.2376, 0.3733 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

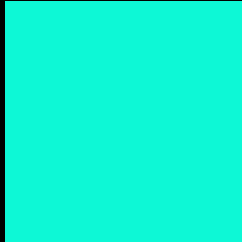
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.0754, 0.2376, 0.3733 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

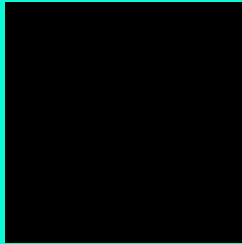
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

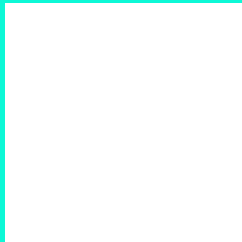
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.0754, 0.2376, 0.3733**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.0754, 0.2376, 0.3733.

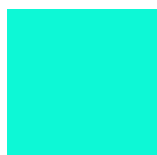


This preview shows how white text looks on a background with the Yxy color 72.0754, 0.2376, 0.3733.

# Color Blindness Simulation

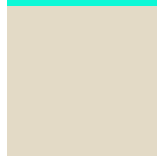
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



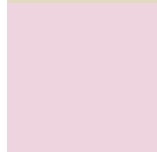
### Original Color

72.0754, 0.2376, 0.3733



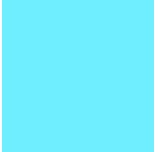
### Protanopia

70.5509, 0.3330, 0.3510



### Deuteranopia

70.5380, 0.3251, 0.3185



## **Tritanopia**

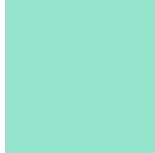
71.6841, 0.2370, 0.3086

# Trichromacy



## Original Color

72.0754, 0.2376, 0.3733



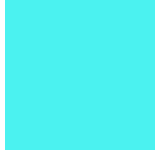
## Protanomaly

66.7878, 0.2767, 0.3602



## Deuteranomaly

66.0328, 0.2720, 0.3362



## Tritanomaly

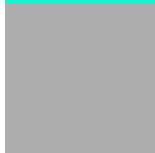
71.2914, 0.2341, 0.3313

# Monochromacy



## Original Color

72.0754, 0.2376, 0.3733



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

49.1604, 0.2623, 0.3459

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  72.0754, 0.2376, 0.3733 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(13, 248, 214)` looks like.

```
.text, #text, p{  
    color:rgb(13, 248, 214)  
}
```

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(13, 248, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 248, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 72.0754, 0.2376, 0.3733 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(13, 248, 214) }
```

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

```
.border{ border-color:rgb(13, 248, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 248, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 248, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 248, 214);  
box-shadow:4px 4px 4px 4px rgb(13, 248,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.0754, 0.2376, 0.3733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 248, 214) }
```

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

```
.background{ background-color: rgb(13, 248,  
214) }
```

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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