

# Converting Colors

$Y_{xy}(72.0896, 0.2585, 0.4444)$

Have a look what the booklet for  
Yxy(72.0896, 0.2585, 0.4444)  
contains.

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# Color

**Yxy(72.0040, 0.2584, 0.4441)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1AFBA7
RGB	26, 251, 167
RGB Percent	10%, 98%, 65%
CMY	0.8981, 0.0157, 0.3452
CMYK	0.90, 0.00, 0.33, 0.02
HSL	158°, 97%, 54%
HSV	158°, 90%, 98%
XYZ	41.8956, 72.0040, 48.2351
YIQ	174.1490, -107.1360, -73.8240

# Conversions

## Conversions Part 2

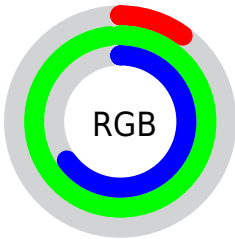
Format	Color
<a href="#">RYB</a>	<a href="#">26, 164, 251</a>
Decimal	<a href="#">1768359</a>
CIELab	<a href="#">87.97, -67.63, 26.80</a>
CIELCh	<a href="#">88, 72.742, 158.384</a>
Yxy	<a href="#">72.0040, 0.2584, 0.4441</a>
Android (android.graphics.Color)	<a href="#">4279958439 (0xFF1AFBA7)</a>
YUV	<a href="#">174.1490, -3.5245, -129.9267</a>
Hunter-Lab	<a href="#">84.8552, -60.3656, 25.6958</a>

# Details

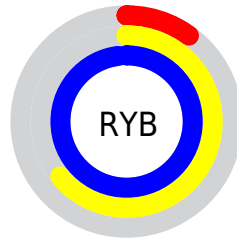
The Yxy color **72.0040, 0.2584, 0.4441** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **22.3750, 0.5230, 0.2723**, and the grayscale version is **42.4661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7697, 0.2578, 0.3674**, and **39.3548, 0.2638, 0.4696** is the 20% darker color. If you saturate the color by 10%, you get **71.4589, 0.2607, 0.4583**, and if you desaturate by 10%, it is **72.8529, 0.2579, 0.4295**.

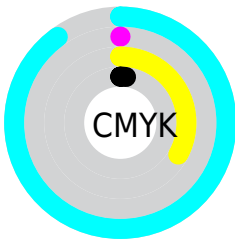
# Distribution



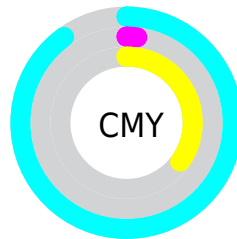
- Red (10%)
- Green (98%)
- Blue (65%)



- Red (10%)
- Yellow (64%)
- Blue (98%)



- Cyan (90%)
- Magenta (0%)
- Yellow (33%)
- Black (2%)




- Cyan (90%)
- Magenta (2%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0040, 0.2584, 0.4441 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 72.0040, 0.2584, 0.4441 by changing the saturation by 10% instead.




 72.0040, 0.2584,  
0.4441

 72.0040, 0.2584,  
0.4441


467.5555, 0.2854,  
0.3868


 53.1619, 0.2518,  
0.4582


 122.0622, 0.2682,  
0.4234

 37.9321, 0.2433,  
0.4761


 154.0472, 0.2718,  
0.4156

 25.9300, 0.2323,  
0.4996


 191.1819, 0.2750,  
0.4090

 16.7713, 0.2172,  
0.5316

 233.8507, 0.2777,  
0.4033

 10.0715, 0.1958,  
0.5773

 282.4381, 0.2800,  
0.3983

 5.4464, 0.1635,  
0.6463

337.3285, 0.2820,

 2.5115, 0.0788,

0.3940

0.8250

398.9061, 0.2838,  
0.3902

0.8824, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

72.0040, 0.2584,  
0.4441

72.0040, 0.2584,  
0.4441

71.4589, 0.2607,  
0.4583


72.8529, 0.2579,  
0.4295

71.4418, 0.2608,  
0.4588


74.0760, 0.2595,  
0.4149


75.7263, 0.2630,  
0.4003


77.8460, 0.2685,  
0.3862

 80.4719, 0.2755,  
0.3728

 83.6372, 0.2838,  
0.3603

 87.3720, 0.2930,  
0.3487

 91.7045, 0.3029,  
0.3382

 96.6606, 0.3131,  
0.3287

# Harmonies

## Analogous

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



72.0040, 0.3394, 0.4911



72.0040, 0.2584, 0.4441



72.0040, 0.1968, 0.3501

# Triad

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



72.0040, 0.2584, 0.4441



72.0040, 0.2032, 0.1993



72.0040, 0.4833, 0.3550

# Complementary

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



72.0040, 0.2584, 0.4441



22.3750, 0.5230, 0.2723

# 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.



72.0040, 0.4380, 0.2948



72.0040, 0.2584, 0.4441



72.0040, 0.2663, 0.2100

# Square

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



72.0040, 0.2584, 0.4441



72.0040, 0.1705, 0.2158



72.0040, 0.3532, 0.2437



72.0040, 0.4725, 0.4177



# Rectangle

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



72.0040, 0.2584, 0.4441



72.0040, 0.1737, 0.2901



72.0040, 0.3532, 0.2437



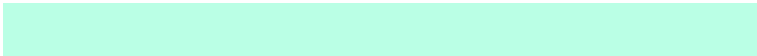
72.0040, 0.4743, 0.3343

# Sweetspot

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



72.0069, 0.2584, 0.4441



87.6511, 0.2861, 0.3571



72.5338, 0.3267, 0.5724



18.4958, 0.2831, 0.3612



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.



72.0069, 0.2584, 0.4441



74.0500, 0.2608, 0.4589



60.9026, 0.2167, 0.2953



19.4922, 0.3030, 0.3380



37.5797, 0.2601, 0.4564



3.5011, 0.2554, 0.4394



# Inverse Universe

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



22.3750, 0.5230, 0.2723



22.0904, 0.5534, 0.2822



23.0625, 0.6103, 0.3415



17.3324, 0.3235, 0.3202



11.2287, 0.5489, 0.2797

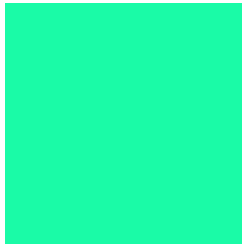


1.0597, 0.5164, 0.2618



# Previews

## White Background



This preview shows how the Yxy color 72.0040, 0.2584, 0.4441 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

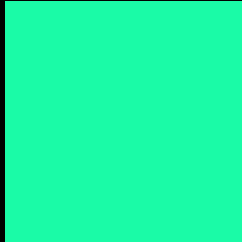
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.0040, 0.2584, 0.4441 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

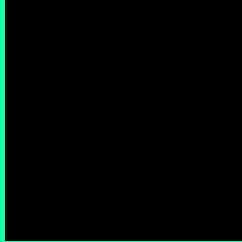
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.0040, 0.2584, 0.4441**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.0040, 0.2584, 0.4441.

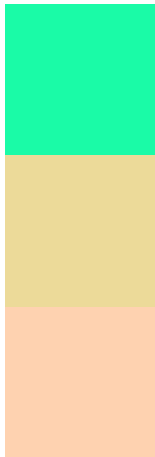


This preview shows how white text looks on a background with the Yxy color 72.0040, 0.2584, 0.4441.

# 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

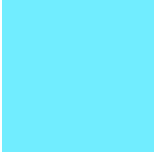
72.0040, 0.2584, 0.4441

### Protanopia

70.2756, 0.3718, 0.3994

### Deuteranopia

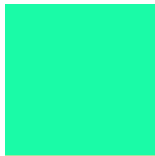
70.2986, 0.3720, 0.3644



## **Tritanopia**

71.2991, 0.2378, 0.3074

# Trichromacy



## Original Color

72.0040, 0.2584, 0.4441



## Protanomaly

66.5358, 0.3097, 0.4208



## Deuteranomaly

65.5255, 0.3083, 0.3941



## Tritanomaly

70.5813, 0.2424, 0.3530

# Monochromacy



## Original Color

72.0040, 0.2584, 0.4441



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

49.1744, 0.2754, 0.3739

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.0040, 0.2584, 0.4441 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(26, 251, 167)` looks like.

```
.text, #text, p{  
    color:rgb(26, 251, 167)  
}
```

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(26, 251, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 251, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 72.0040, 0.2584, 0.4441 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(26, 251, 167) }
```

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

```
.border{ border-color:rgb(26, 251, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 251, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 251, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 251, 167);  
box-shadow:4px 4px 4px 4px rgb(26, 251,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.0040, 0.2584, 0.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 251, 167) }
```

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

```
.background{ background-color: rgb(26, 251,  
167) }
```

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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