

# Converting Colors

$Y_{xy}(75.5773, 0.2514, 0.4158)$

Have a look what the booklet for  
Yxy(75.5773, 0.2514, 0.4158)  
contains.

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# Color

**Yxy(75.5692, 0.2516, 0.4162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	24FFBD
RGB	36, 255, 189
RGB Percent	14%, 100%, 74%
CMY	0.8571, 0.0000, 0.2589
CMYK	0.86, 0.00, 0.26, 0.00
HSL	162°, 100%, 57%
HSV	162°, 86%, 100%
XYZ	45.6829, 75.5692, 60.3174
YIQ	181.9950, -109.3380, -66.9540

# Conversions

## Conversions Part 2

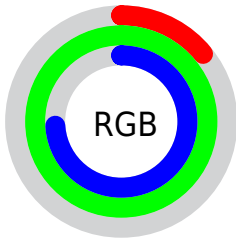
Format	Color
<b>RYB</b>	36, 165, 255
Decimal	2424765
CIELab	89.66, -63.77, 17.91
CIELCh	90, 66.236, 164.309
Yxy	75.5692, 0.2516, 0.4162
Android (android.graphics.Color)	4280614845 (0xFF24FFBD)
YUV	181.9950, 3.4535, -128.0376
Hunter-Lab	86.9305, -58.3249, 19.7126

# Details

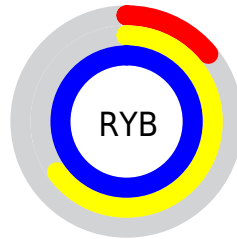
The Yxy color **75.5692, 0.2516, 0.4162** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **23.5144, 0.5357, 0.2843**, and the grayscale version is **46.8722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3977, 0.2502, 0.3404**, and **41.7101, 0.2538, 0.4337** is the 20% darker color. If you saturate the color by 10%, you get **74.9344, 0.2527, 0.4277**, and if you desaturate by 10%, it is **76.5545, 0.2525, 0.4045**.

# Distribution



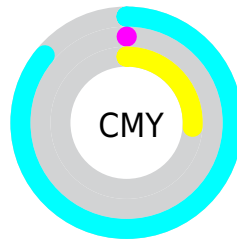
- Red (14%)
- Green (100%)
- Blue (74%)



- Red (14%)
- Yellow (65%)
- Blue (100%)



- Cyan (86%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)




- Cyan (86%)
- Magenta (0%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.5692, 0.2516, 0.4162 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 75.5692, 0.2516, 0.4162 by changing the saturation by 10% instead.




 75.5692, 0.2516,  
0.4162

 75.5692, 0.2516,  
0.4162


479.8717, 0.2806,  
0.3738

 56.0793, 0.2448,  
0.4264

 127.1178, 0.2618,  
0.4011

 40.2665, 0.2364,  
0.4392


 159.9452, 0.2657,  
0.3953

 27.7464, 0.2256,  
0.4558


 197.9874, 0.2691,  
0.3904

 18.1346, 0.2113,  
0.4782

 241.6286, 0.2720,  
0.3862

 11.0467, 0.1917,  
0.5097

291.2532, 0.2746,  
0.3825

 6.0982, 0.1635,  
0.5570


347.2457, 0.2768,

 2.9049, 0.1127,

0.3792


0.6395

409.9904, 0.2788,  
0.3764


 1.0823, 0.0000,  
1.0000

 0.0000, 0.0000,  
0.0000


 75.5692, 0.2516,  
0.4162


 75.5692, 0.2516,  
0.4162


 74.9344, 0.2527,  
0.4277

 76.5545, 0.2525,  
0.4045

 74.7296, 0.2535,  
0.4326


 77.9409, 0.2555,  
0.3929

 79.7795, 0.2604,  
0.3815

 82.1115, 0.2671,  
0.3705

 84.9734, 0.2754,  
0.3601

 88.3980, 0.2849,  
0.3504

 92.4157, 0.2953,  
0.3414

 97.0543, 0.3063,  
0.3333

99.9955, 0.3127,  
0.3290

# Harmonies

## Analogous

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



75.5692, 0.3236, 0.4695



75.5692, 0.2516, 0.4162



75.5692, 0.2001, 0.3320

# Triad

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



75.5692, 0.2516, 0.4162



75.5692, 0.2225, 0.2106



75.5692, 0.4683, 0.3661

# Complementary

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



75.5692, 0.2516, 0.4162



23.5144, 0.5357, 0.2843

# 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.



75.5692, 0.4367, 0.3094



75.5692, 0.2516, 0.4162



75.5692, 0.2855, 0.2247

# Square

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



75.5692, 0.2516, 0.4162



75.5692, 0.1864, 0.2211



75.5692, 0.3657, 0.2597



75.5692, 0.4510, 0.4226



# Rectangle

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



75.5692, 0.2516, 0.4162



75.5692, 0.1823, 0.2815



75.5692, 0.3657, 0.2597



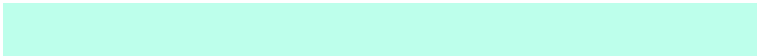
75.5692, 0.4633, 0.3469

# Sweetspot

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



75.5722, 0.2516, 0.4162



88.2975, 0.2846, 0.3507



74.6877, 0.3215, 0.5720



18.6326, 0.2812, 0.3539



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.



75.5722, 0.2516, 0.4162



74.7342, 0.2535, 0.4326



56.1640, 0.2128, 0.2775



20.3825, 0.3020, 0.3363



39.0780, 0.2530, 0.4307



3.8243, 0.2493, 0.4176



# Inverse Universe

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



23.5144, 0.5357, 0.2843



21.7959, 0.5804, 0.2971



26.6266, 0.5866, 0.3535



18.0774, 0.3247, 0.3218



11.4118, 0.5762, 0.2948

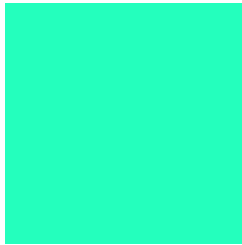


1.1295, 0.5441, 0.2771



# Previews

## White Background



This preview shows how the Yxy color 75.5692, 0.2516, 0.4162 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

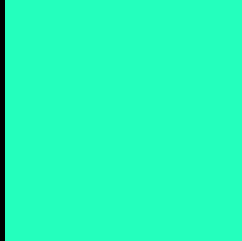
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.5692, 0.2516, 0.4162 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

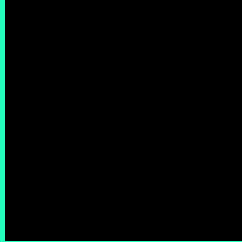
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 75.5692, 0.2516, 0.4162**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.5692, 0.2516, 0.4162.



This preview shows how white text looks on a background with the Yxy color 75.5692, 0.2516, 0.4162.

# 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

75.5692, 0.2516, 0.4162

### Protanopia

74.0085, 0.3572, 0.3815

### Deuteranopia

73.7489, 0.3542, 0.3466



## Tritanopia

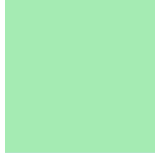
75.0291, 0.2486, 0.3116

# Trichromacy



## Original Color

75.5692, 0.2516, 0.4162



## Protanomaly

70.6707, 0.3006, 0.3981



## Deuteranomaly

69.6477, 0.2976, 0.3712



## Tritanomaly

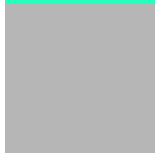
73.8991, 0.2461, 0.3461

# Monochromacy



## Original Color

75.5692, 0.2516, 0.4162



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

53.7708, 0.2734, 0.3620

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.5692, 0.2516, 0.4162 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(36, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(36, 255, 189)  
}
```

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(36, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 255, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 75.5692, 0.2516, 0.4162 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(36, 255, 189) }
```

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

```
.border{ border-color:rgb(36, 255, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(36, 255, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(36, 255, 189); box-shadow:4px 4px 4px 4px rgb(36, 255, 189) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.5692, 0.2516, 0.4162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 255, 189) }
```

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

```
.background{ background-color: rgb(36, 255,  
189) }
```

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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