

# Converting Colors

$Y_{xy}(75.1181, 0.2500, 0.3612)$

Have a look what the booklet for  
Yxy(75.1181, 0.2500, 0.3612)  
contains.

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# Color

**Yxy(75.1181, 0.2500, 0.3612)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64F8DE
RGB	100, 248, 222
RGB Percent	39%, 97%, 87%
CMY	0.6085, 0.0274, 0.1295
CMYK	0.60, 0.00, 0.10, 0.03
HSL	169°, 91%, 68%
HSV	169°, 60%, 97%
XYZ	51.9920, 75.1181, 80.8580
YIQ	200.7840, -79.8620, -39.4620

# Conversions

## Conversions Part 2

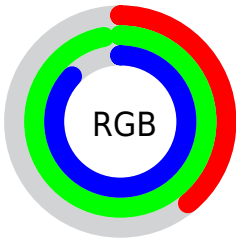
Format	Color
<a href="#">RYB</a>	<a href="#">100, 181, 248</a>
Decimal	<a href="#">6617310</a>
CIELab	<a href="#">89.45, -45.60, 0.69</a>
CIELCh	<a href="#">89, 45.606, 179.128</a>
Yxy	<a href="#">75.1181, 0.2500, 0.3612</a>
Android (android.graphics.Color)	<a href="#">4284807390 (0xFF64F8DE)</a>
YUV	<a href="#">200.7840, 10.4595, -88.3876</a>
Hunter-Lab	<a href="#">86.6707, -44.5951, 5.3558</a>

# Details

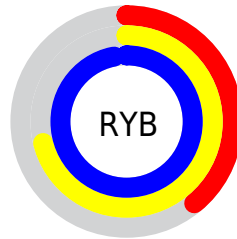
The Yxy color **75.1181, 0.2500, 0.3612** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **30.5448, 0.4670, 0.3034**, and the grayscale version is **58.2127, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **40.0516, 0.2358, 0.3688** is the 20% darker color. If you saturate the color by 10%, you get **73.6878, 0.2448, 0.3675**, and if you desaturate by 10%, it is **76.9904, 0.2571, 0.3550**.

# Distribution



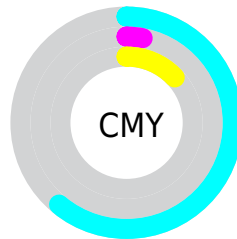
- Red (39%)
- Green (97%)
- Blue (87%)



- Red (39%)
- Yellow (71%)
- Blue (97%)



- Cyan (60%)
- Magenta (0%)
- Yellow (10%)
- Black (3%)




- Cyan (61%)
- Magenta (3%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.1181, 0.2500, 0.3612 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 75.1181, 0.2500, 0.3612 by changing the saturation by 10% instead.




 75.1181, 0.2500,  
0.3612


 75.1181, 0.2500,  
0.3612


478.3234, 0.2787,  
0.3464


 55.7096, 0.2436,  
0.3645


 126.4795, 0.2599,  
0.3561

 39.9702, 0.2357,  
0.3686


 159.2013, 0.2637,  
0.3541

 27.5153, 0.2258,  
0.3737


 197.1296, 0.2671,  
0.3524

 17.9606, 0.2130,  
0.3804

240.6489, 0.2700,  
0.3509

 10.9217, 0.1960,  
0.3893

290.1435, 0.2725,  
0.3496

 6.0142, 0.1724,  
0.4017

345.9979, 0.2748,

 2.8537, 0.1379,

0.3484

0.4201

408.5964, 0.2768,  
0.3474

■ 1.0558, 0.0000,  
0.4907

■ 0.0000, 0.0000,  
0.0000

■ 75.1181, 0.2500,  
0.3612

■ 75.1181, 0.2500,  
0.3612

■ 73.6878, 0.2448,  
0.3675

■ 76.9904, 0.2571,  
0.3550

■ 72.6500, 0.2416,  
0.3739


■ 79.3312, 0.2659,  
0.3491

■ 71.9596, 0.2404,  
0.3803

■ 82.1755, 0.2762,  
0.3434

■ 71.5387, 0.2408,  
0.3866


■ 85.5520, 0.2877,  
0.3382

 71.5295, 0.2408,  
0.3868

 89.4877, 0.3001,  
0.3333

 94.0075, 0.3130,  
0.3289

 95.4672, 0.3145,  
0.3247

 95.6280, 0.3130,  
0.3223

# Harmonies

## Analogous

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



75.1181, 0.2966, 0.4089



75.1181, 0.2500, 0.3612



75.1181, 0.2214, 0.3067

# Triad

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



75.1181, 0.2500, 0.3612



75.1181, 0.2695, 0.2457



75.1181, 0.4200, 0.3801

# Complementary

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



75.1181, 0.2500, 0.3612



30.5448, 0.4670, 0.3034

# 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.



75.1181, 0.4132, 0.3379



75.1181, 0.2500, 0.3612



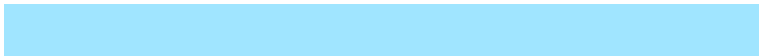
75.1181, 0.3219, 0.2643

# Square

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



75.1181, 0.2500, 0.3612



75.1181, 0.2321, 0.2453



75.1181, 0.3760, 0.2970



75.1181, 0.3958, 0.4145



# Rectangle

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



75.1181, 0.2500, 0.3612



75.1181, 0.2148, 0.2771



75.1181, 0.3760, 0.2970



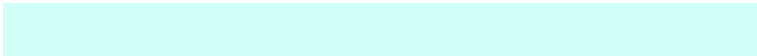
75.1181, 0.4214, 0.3664

# Sweetspot

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



75.1210, 0.2500, 0.3612



91.8014, 0.2898, 0.3373



72.5767, 0.3167, 0.5152



19.4057, 0.2863, 0.3388



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.



75.1210, 0.2500, 0.3612



78.1889, 0.2439, 0.3690



51.2954, 0.2258, 0.2688



19.5532, 0.3004, 0.3332



38.6514, 0.2405, 0.3858



3.5931, 0.2384, 0.3782



# Inverse Universe

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



30.5448, 0.4670, 0.3034



26.8099, 0.5194, 0.3027



41.6691, 0.4655, 0.3774



17.2750, 0.3266, 0.3249



10.8911, 0.6139, 0.3156

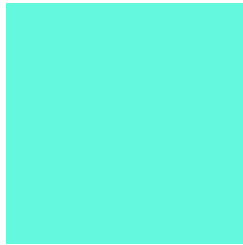


1.0220, 0.5837, 0.2989



# Previews

## White Background



This preview shows how the Yxy color 75.1181, 0.2500, 0.3612 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

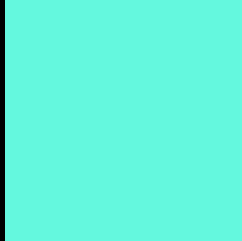
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.1181, 0.2500, 0.3612 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 75.1181, 0.2500, 0.3612**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.1181, 0.2500, 0.3612.



This preview shows how white text looks on a background with the Yxy color 75.1181, 0.2500, 0.3612.

# 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

75.1181, 0.2500, 0.3612

### Protanopia

73.7855, 0.3286, 0.3441

### Deuteranopia

73.6461, 0.3228, 0.3156



## Tritanopia

74.8823, 0.2505, 0.3105

# Trichromacy



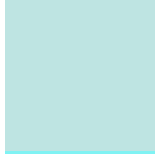
## Original Color

75.1181, 0.2500, 0.3612



## Protanomaly

72.0232, 0.2921, 0.3499



## Deuteranomaly

71.9249, 0.2888, 0.3312



## Tritanomaly

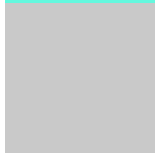
74.5645, 0.2497, 0.3276

# Monochromacy



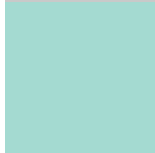
## Original Color

75.1181, 0.2500, 0.3612



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

62.6388, 0.2817, 0.3400

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.1181, 0.2500, 0.3612 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(100, 248, 222)` looks like.

```
.text, #text, p{  
    color:rgb(100, 248, 222)  
}
```

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(100, 248, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 248, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 75.1181, 0.2500, 0.3612 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(100, 248, 222) }
```

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

```
.border{ border-color:rgb(100, 248, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 248, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 248, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 248, 222);  
box-shadow:4px 4px 4px 4px rgb(100, 248,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.1181, 0.2500, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 248, 222) }
```

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

```
.background{ background-color: rgb(100,  
248, 222) }
```

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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