

# Converting Colors

$Yxy(78.8045, 0.2592, 0.3900)$

Have a look what the booklet for  
Yxy(78.8045, 0.2592, 0.3900)  
contains.

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# Color

**Yxy(78.8010, 0.2593, 0.3901)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FFCE
RGB	102, 255, 206
RGB Percent	40%, 100%, 81%
CMY	0.5999, 0.0000, 0.1923
CMYK	0.60, 0.00, 0.19, 0.00
HSL	161°, 100%, 70%
HSV	161°, 60%, 100%
XYZ	52.3791, 78.8010, 70.8219
YIQ	203.6670, -75.4590, -47.6750

# Conversions

## Conversions Part 2

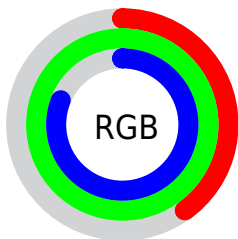
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 193, 255</a>
Decimal	<a href="#">6750158</a>
CIELab	<a href="#">91.14, -51.90, 11.44</a>
CIELCh	<a href="#">91, 53.145, 167.564</a>
Yxy	<a href="#">78.8010, 0.2593, 0.3901</a>
Android (android.graphics.Color)	<a href="#">4284940238 (0xFF66FFCE)</a>
YUV	<a href="#">203.6670, 1.1502, -89.1620</a>
Hunter-Lab	<a href="#">88.7699, -50.0226, 14.8365</a>

# Details

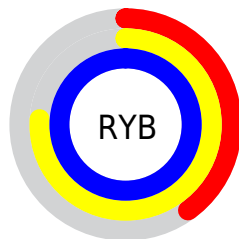
The Yxy color **78.8010, 0.2593, 0.3901** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **33.0050, 0.4389, 0.2808**, and the grayscale version is **60.1940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **42.2576, 0.2464, 0.4043** is the 20% darker color. If you saturate the color by 10%, you get **77.1462, 0.2553, 0.4024**, and if you desaturate by 10%, it is **80.9352, 0.2651, 0.3782**.

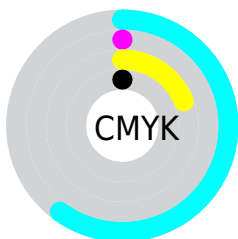
# Distribution



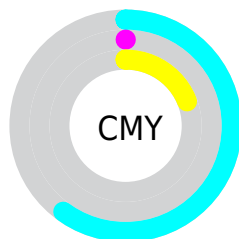
- Red (40%)
- Green (100%)
- Blue (81%)



- Red (40%)
- Yellow (76%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8010, 0.2593, 0.3901 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 78.8010, 0.2593, 0.3901 by changing the saturation by 10% instead.




 78.8010, 0.2593,  
0.3901

 78.8010, 0.2593,  
0.3901


490.8829, 0.2841,  
0.3611


 58.7322, 0.2536,  
0.3969


 131.6787, 0.2679,  
0.3799

 42.3976, 0.2466,  
0.4054


 165.2563, 0.2713,  
0.3760

 29.4127, 0.2378,  
0.4162


 204.1058, 0.2741,  
0.3726

 19.3933, 0.2262,  
0.4306

248.6113, 0.2766,  
0.3697

 11.9548, 0.2106,  
0.4506

299.1574, 0.2789,  
0.3671

 6.7129, 0.1884,  
0.4801


356.1284, 0.2808,


 3.2832, 0.1547,


0.3649


0.5273


419.9088, 0.2825,  
0.3629


 1.2813, 0.0000,  
0.7023


 0.1267, 0.0000,  
1.0000


 78.8010, 0.2593,  
0.3901


 78.8010, 0.2593,  
0.3901


 77.1462, 0.2553,  
0.4024


 80.9352, 0.2651,  
0.3782


 75.9259, 0.2534,  
0.4149

 83.5862, 0.2726,  
0.3668


 75.0882, 0.2535,  
0.4272

 86.7886, 0.2814,  
0.3561

 74.5481, 0.2554,  
0.4394

 90.5737, 0.2912,  
0.3462

 74.5475, 0.2554,  
0.4394

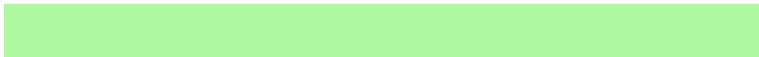
 94.9707, 0.3018,  
0.3371

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



78.8010, 0.3169, 0.4351



78.8010, 0.2593, 0.3901



78.8010, 0.2186, 0.3259

# Triad

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



78.8010, 0.2593, 0.3901



78.8010, 0.2445, 0.2322



78.8010, 0.4371, 0.3674

# Complementary

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



78.8010, 0.2593, 0.3901



33.0050, 0.4389, 0.2808

# 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.



78.8010, 0.4152, 0.3197



78.8010, 0.2593, 0.3901



78.8010, 0.2984, 0.2458

# Square

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



78.8010, 0.2593, 0.3901



78.8010, 0.2114, 0.2398



78.8010, 0.3622, 0.2768

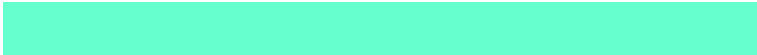


78.8010, 0.4213, 0.4119



# Rectangle

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



78.8010, 0.2593, 0.3901



78.8010, 0.2049, 0.2872



78.8010, 0.3622, 0.2768



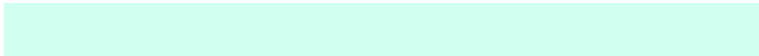
78.8010, 0.4340, 0.3514

# Sweetspot

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



78.8013, 0.2593, 0.3901



91.3983, 0.2933, 0.3443



79.2542, 0.3294, 0.5089



19.3064, 0.2903, 0.3471



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

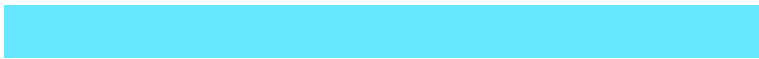
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8013, 0.2593, 0.3901



76.8673, 0.2548, 0.4049



66.3651, 0.2321, 0.2979



20.3766, 0.3023, 0.3367



38.9811, 0.2548, 0.4374



3.8154, 0.2510, 0.4235



# Inverse Universe

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



33.0050, 0.4389, 0.2808



27.4359, 0.4805, 0.2771



37.5346, 0.4842, 0.3543



18.0830, 0.3244, 0.3214



11.4490, 0.5695, 0.2911

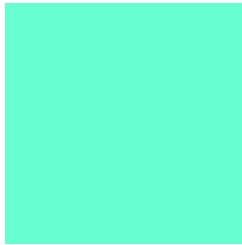


1.1337, 0.5375, 0.2735



# Previews

## White Background



This preview shows how the Yxy color 78.8010, 0.2593, 0.3901 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

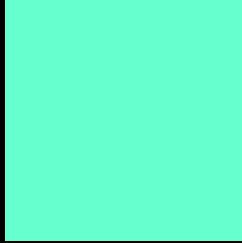
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.8010, 0.2593, 0.3901 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

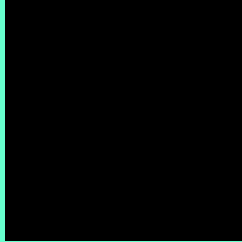
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

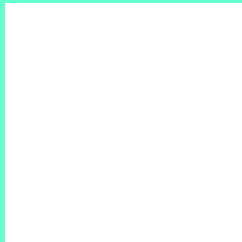
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.8010, 0.2593, 0.3901**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.8010, 0.2593, 0.3901.

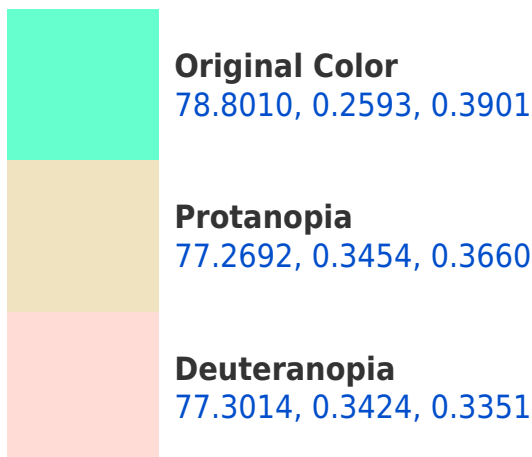


This preview shows how white text looks on a background with the Yxy color 78.8010, 0.2593, 0.3901.

# 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

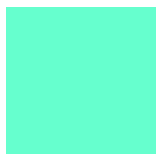




## Tritanopia

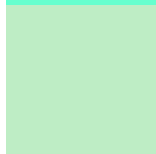
78.2376, 0.2612, 0.3133

# Trichromacy



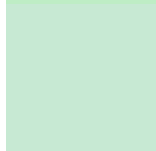
## Original Color

78.8010, 0.2593, 0.3901



## Protanomaly

75.5467, 0.3060, 0.3753



## Deuteranomaly

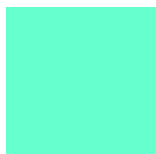
75.1231, 0.3036, 0.3538



## Tritanomaly

77.8656, 0.2596, 0.3394

# Monochromacy



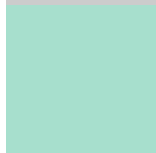
## Original Color

78.8010, 0.2593, 0.3901



## Achromatopsia

60.3827, 0.3127, 0.3290



## Achromatomaly

65.3986, 0.2863, 0.3510

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.8010, 0.2593, 0.3901 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(102, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 206)  
}
```

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(102, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 78.8010, 0.2593, 0.3901 is called "border". The border property can be set on classes, ids or directly on the HTML element.

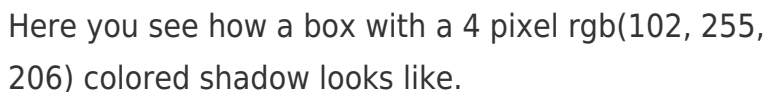
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 255, 206) }
```

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

```
.border{ border-color:rgb(102, 255, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(102, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 255, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 255, 206); box-shadow:4px 4px 4px 4px rgb(102, 255, 206) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.8010, 0.2593, 0.3901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 206) }
```

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

```
.background{ background-color: rgb(102,  
255, 206) }
```

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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