

# Converting Colors

$Yxy(80.2077, 0.2539, 0.3661)$

Have a look what the booklet for  
Yxy(80.2077, 0.2539, 0.3661)  
contains.

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# Color

**Yxy(80.2168, 0.2542, 0.3664)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EFFE0
RGB	110, 255, 224
RGB Percent	43%, 100%, 88%
CMY	0.5682, 0.0000, 0.1216
CMYK	0.57, 0.00, 0.12, 0.00
HSL	167°, 100%, 72%
HSV	167°, 57%, 100%
XYZ	55.6526, 80.2168, 83.0629
YIQ	208.1110, -76.4690, -40.3810

# Conversions

## Conversions Part 2

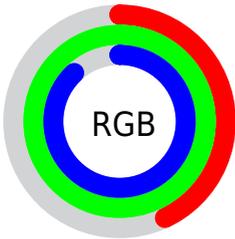
<b>Format</b>	<b>Color</b>
<b>RYB</b>	110, 191, 255
Decimal	7274464
CIELab	91.78, -46.28, 3.09
CIElCh	92, 46.383, 176.185
Yxy	80.2168, 0.2542, 0.3664
Android (android.graphics.Color)	4285464544 (0xFF6EFFE0)
YUV	208.1110, 7.8333, -86.0433
Hunter-Lab	89.5638, -45.8215, 7.7082

# Details

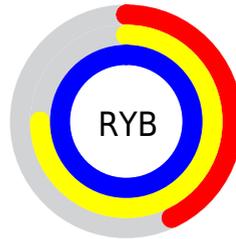
The Yxy color **80.2168, 0.2542, 0.3664** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **34.3592, 0.4485, 0.2984**, and the grayscale version is **63.1554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5107, 0.2662, 0.3289**, and **43.5761, 0.2412, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **78.5198, 0.2488, 0.3742**, and if you desaturate by 10%, it is **82.4002, 0.2615, 0.3588**.

# Distribution



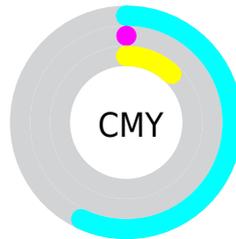
- Red (43%)
- Green (100%)
- Blue (88%)



- Red (43%)
- Yellow (75%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)



- Cyan (57%)
- Magenta (0%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.2168, 0.2542, 0.3664 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 80.2168, 0.2542, 0.3664 by changing the saturation by 10% instead.

 80.2168, 0.2542,  
0.3664

 80.2168, 0.2542,  
0.3664

495.6632, 0.2808,  
0.3492

 59.8968, 0.2483,  
0.3703

 133.6705, 0.2633,  
0.3605

 43.3354, 0.2410,  
0.3751

 167.5730, 0.2669,  
0.3582

 30.1484, 0.2320,  
0.3811

 206.7717, 0.2700,  
0.3562

 19.9512, 0.2203,  
0.3889

251.6511, 0.2727,  
0.3544

 12.3596, 0.2049,  
0.3994

302.5955, 0.2750,  
0.3529

 6.9891, 0.1835,  
0.4143

359.9894, 0.2772,

 3.4553, 0.1522,

0.3515

0.4367

424.2172, 0.2791,  
0.3503

 1.3738, 0.0406,  
0.5072

 0.1973, 0.0000,  
1.0000

 80.2168, 0.2542,  
0.3664

 80.2168, 0.2542,  
0.3664

 78.5198, 0.2488,  
0.3742

 82.4002, 0.2615,  
0.3588

 77.2581, 0.2453,  
0.3822

 85.0973, 0.2704,  
0.3516

 76.3859, 0.2439,  
0.3901

 88.3443, 0.2807,  
0.3447

 75.8415, 0.2442,  
0.3980

 92.1716, 0.2921,  
0.3384

 75.7074, 0.2446,  
0.4005

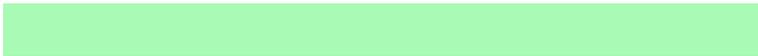
 96.6073, 0.3042,  
0.3326

99.9971, 0.3127,  
0.3290

# Harmonies

## Analogous

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



80.2168, 0.3019, 0.4118



80.2168, 0.2542, 0.3664



80.2168, 0.2236, 0.3118

# Triad

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



80.2168, 0.2542, 0.3664



80.2168, 0.2652, 0.2452



80.2168, 0.4202, 0.3759

# Complementary

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



80.2168, 0.2542, 0.3664



34.3592, 0.4485, 0.2984

# 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.



80.2168, 0.4103, 0.3337



80.2168, 0.2542, 0.3664



80.2168, 0.3164, 0.2621

# Square

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



80.2168, 0.2542, 0.3664



80.2168, 0.2298, 0.2467



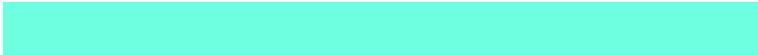
80.2168, 0.3708, 0.2934



80.2168, 0.3989, 0.4114

# Rectangle

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



80.2168, 0.2542, 0.3664



80.2168, 0.2156, 0.2812



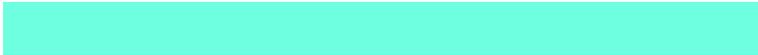
80.2168, 0.3708, 0.2934



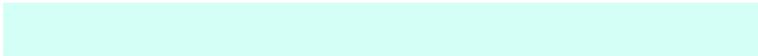
80.2168, 0.4206, 0.3621

# Sweetspot

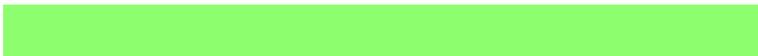
The Sweet Spot groups the original color and five complimentary colors.



80.2199, 0.2542, 0.3664



92.1020, 0.2919, 0.3385



78.3514, 0.3197, 0.5046



19.5392, 0.2895, 0.3398



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.



80.2199, 0.2542, 0.3664



78.3524, 0.2482, 0.3752



58.6052, 0.2305, 0.2784



20.4110, 0.3009, 0.3341



39.5832, 0.2442, 0.3992



3.8699, 0.2417, 0.3902



# Inverse Universe

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



34.3592, 0.4485, 0.2984



28.5593, 0.4928, 0.2961



44.5703, 0.4588, 0.3708



18.0507, 0.3260, 0.3239



11.2684, 0.6042, 0.3102

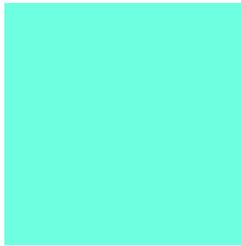


1.1124, 0.5738, 0.2935



# Previews

## White Background



This preview shows how the Yxy color 80.2168, 0.2542, 0.3664 looks on a white background.

## Color Contrast Check

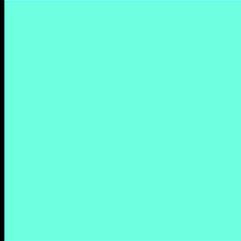
Large Text (above 18pt) WCAG AA × Fail

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 80.2168, 0.2542, 0.3664 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

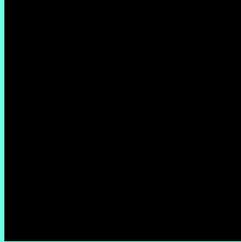
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

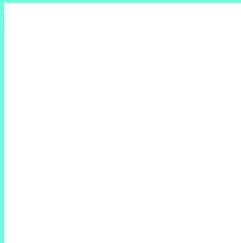
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.2168, 0.2542, 0.3664**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.2168, 0.2542, 0.3664.

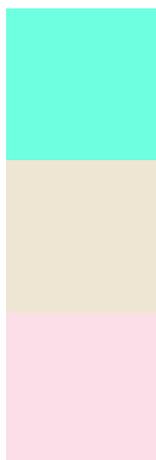


This preview shows how white text looks on a background with the Yxy color 80.2168, 0.2542, 0.3664.

# 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

80.2168, 0.2542, 0.3664

### Protanopia

78.8689, 0.3314, 0.3489

### Deuteranopia

78.5213, 0.3274, 0.3200



## Tritanopia

79.7229, 0.2654, 0.3146

# Trichromacy



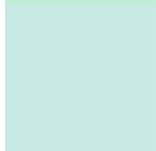
## Original Color

80.2168, 0.2542, 0.3664



## Protanomaly

77.1317, 0.2961, 0.3550



## Deuteranomaly

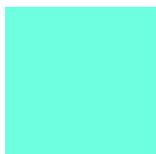
76.7264, 0.2941, 0.3356



## Tritanomaly

79.6325, 0.2602, 0.3323

# Monochromacy



## Original Color

80.2168, 0.2542, 0.3664



## Achromatopsia

63.0757, 0.3127, 0.3290



## Achromatomaly

67.4761, 0.2843, 0.3421

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.2168, 0.2542, 0.3664 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(110, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(110, 255, 224)  
}
```

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(110, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 255, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 80.2168, 0.2542, 0.3664 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(110, 255, 224) }
```

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

```
.border{ border-color:rgb(110, 255, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 255, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(110, 255,  
224) }
```

# Background

The CSS property to change the background color of an element to Yxy 80.2168, 0.2542, 0.3664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 255, 224) }
```

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

```
.background{ background-color: rgb(110,  
255, 224) }
```

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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