

# Converting Colors

$Yxy(69.8676, 0.2546, 0.3468)$

Have a look what the booklet for  
Yxy(69.8676, 0.2546, 0.3468)  
contains.

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# Color

**Yxy(69.8892, 0.2544, 0.3463)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78EDDF
RGB	120, 237, 223
RGB Percent	47%, 93%, 87%
CMY	0.5296, 0.0705, 0.1255
CMYK	0.49, 0.00, 0.06, 0.07
HSL	173°, 76%, 70%
HSV	173°, 49%, 93%
XYZ	51.3422, 69.8892, 80.5855
YIQ	200.4210, -65.2380, -29.1580

# Conversions

## Conversions Part 2

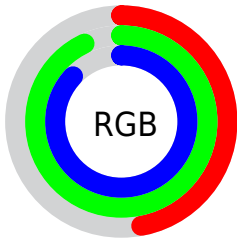
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 182, 237
Decimal	7925215
CIELab	86.94, -36.51, -3.42
CIELCh	87, 36.671, 185.356
Yxy	69.8892, 0.2544, 0.3463
Android (android.graphics.Color)	4286115295 (0xFF78EDDF)
YUV	200.4210, 11.1314, -70.5292
Hunter-Lab	83.5998, -36.6750, 1.3676

# Details

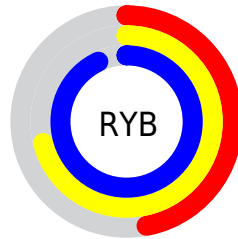
The Yxy color **69.8892, 0.2544, 0.3463** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.1486, 0.4350, 0.3139**, and the grayscale version is **57.9858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **36.7157, 0.2408, 0.3505** is the 20% darker color. If you saturate the color by 10%, you get **68.2508, 0.2468, 0.3504**, and if you desaturate by 10%, it is **71.9549, 0.2637, 0.3423**.

# Distribution



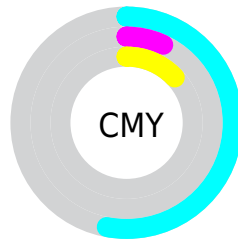
- Red (47%)
- Green (93%)
- Blue (87%)



- Red (47%)
- Yellow (71%)
- Blue (93%)



- Cyan (49%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)




- Cyan (53%)
- Magenta (7%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8892, 0.2544, 0.3463 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 69.8892, 0.2544, 0.3463 by changing the saturation by 10% instead.





 69.8892, 0.2544,  
0.3463


 69.8892, 0.2544,  
0.3463


460.1609, 0.2813,  
0.3386


 51.4362, 0.2483,  
0.3480


 119.0507, 0.2637,  
0.3437

 36.5559, 0.2408,  
0.3500


 150.5281, 0.2673,  
0.3426

 24.8638, 0.2314,  
0.3525


 187.1156, 0.2704,  
0.3417

 15.9756, 0.2191,  
0.3557

229.1978, 0.2732,  
0.3410

 9.5069, 0.2027,  
0.3598

277.1591, 0.2755,  
0.3403

 5.0733, 0.1795,  
0.3651

331.3837, 0.2777,

 2.2903, 0.1450,

0.3396

0.3721

392.2562, 0.2796,  
0.3391

0.7686, 0.0000,  
0.4156

0.0000, 0.0000,  
0.0000

69.8892, 0.2544,  
0.3463

69.8892, 0.2544,  
0.3463

68.2508, 0.2468,  
0.3504

71.9549, 0.2637,  
0.3423

67.0000, 0.2411,  
0.3546


74.4680, 0.2746,  
0.3386

66.1035, 0.2374,  
0.3588


77.4570, 0.2867,  
0.3351


65.5186, 0.2356,  
0.3630

80.9460, 0.2998,  
0.3318


 65.1776, 0.2354,  
0.3671

 84.9571, 0.3136,  
0.3288

 65.1597, 0.2354,  
0.3674

 88.1280, 0.3229,  
0.3261

 88.2982, 0.3211,  
0.3233

 88.4709, 0.3193,  
0.3206

 88.6464, 0.3175,  
0.3178

# Harmonies

## Analogous

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



69.8892, 0.2911, 0.3872



69.8892, 0.2544, 0.3463



69.8892, 0.2337, 0.3031

# Triad

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



69.8892, 0.2544, 0.3463



69.8892, 0.2854, 0.2611



69.8892, 0.3992, 0.3794

# Complementary

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



69.8892, 0.2544, 0.3463



33.1486, 0.4350, 0.3139

# 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.



69.8892, 0.3987, 0.3449



69.8892, 0.2544, 0.3463



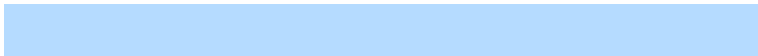
69.8892, 0.3303, 0.2796

# Square

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



69.8892, 0.2544, 0.3463



69.8892, 0.2506, 0.2577



69.8892, 0.3728, 0.3094



69.8892, 0.3753, 0.4042

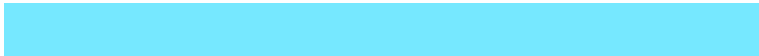


# Rectangle

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



69.8892, 0.2544, 0.3463



69.8892, 0.2307, 0.2804



69.8892, 0.3728, 0.3094



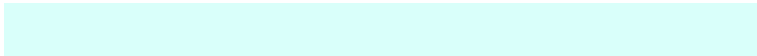
69.8892, 0.4020, 0.3685

# Sweetspot

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



69.8919, 0.2544, 0.3463



93.1618, 0.2923, 0.3336



67.1277, 0.3141, 0.4819



19.7586, 0.2895, 0.3343



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.



69.8919, 0.2544, 0.3463



80.6090, 0.2469, 0.3503



48.7284, 0.2374, 0.2732



17.0890, 0.2997, 0.3318



35.5837, 0.2352, 0.3667



2.8030, 0.2336, 0.3609



# Inverse Universe

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



33.1486, 0.4350, 0.3139



32.6912, 0.4753, 0.3120



45.5112, 0.4257, 0.3770



15.0834, 0.3274, 0.3262



9.8865, 0.6250, 0.3217



0.7859, 0.5955, 0.3054



# Previews

## White Background



This preview shows how the Yxy color 69.8892, 0.2544, 0.3463 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

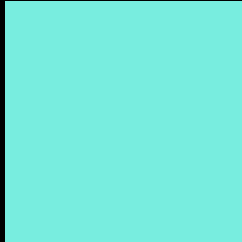
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8892, 0.2544, 0.3463 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 69.8892, 0.2544, 0.3463**

## Background



This preview shows how black text looks on a background with the Yxy color 69.8892, 0.2544, 0.3463.

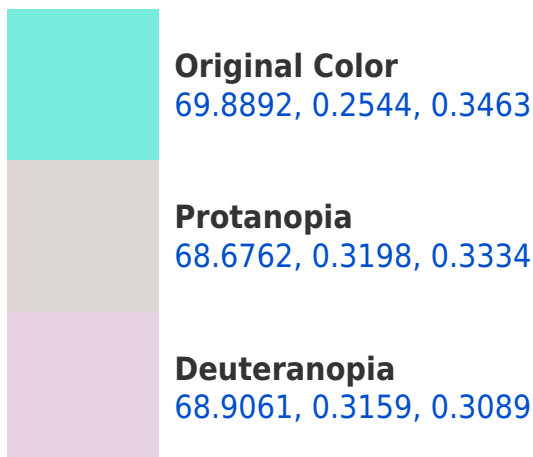


This preview shows how white text looks on a background with the Yxy color 69.8892, 0.2544, 0.3463.

# 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

69.9732, 0.2441, 0.3064

# Trichromacy



## Original Color

69.8892, 0.2544, 0.3463



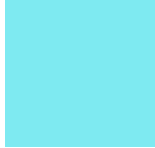
## Protanomaly

67.8720, 0.2912, 0.3383



## Deuteranomaly

67.8088, 0.2884, 0.3209



## Tritanomaly

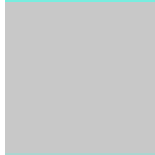
69.6321, 0.2480, 0.3204

# Monochromacy



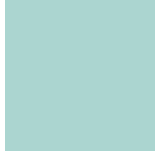
## Original Color

69.8892, 0.2544, 0.3463



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

60.8005, 0.2864, 0.3351

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8892, 0.2544, 0.3463 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(120, 237, 223)` looks like.

```
.text, #text, p{  
    color:rgb(120, 237, 223)  
}
```

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(120, 237, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 237, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8892, 0.2544, 0.3463 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(120, 237, 223) }
```

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

```
.border{ border-color:rgb(120, 237, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 237, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 237, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 237, 223);  
box-shadow:4px 4px 4px 4px rgb(120, 237,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8892, 0.2544, 0.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 237, 223) }
```

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

```
.background{ background-color: rgb(120,  
237, 223) }
```

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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