

# Converting Colors

$Yxy(69.8683, 0.2661, 0.3654)$

Have a look what the booklet for  
Yxy(69.8683, 0.2661, 0.3654)  
contains.

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# Color

**Yxy(69.8683, 0.2661, 0.3654)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82EDD0
RGB	130, 237, 208
RGB Percent	51%, 93%, 82%
CMY	0.4899, 0.0706, 0.1844
CMYK	0.45, 0.00, 0.12, 0.07
HSL	164°, 75%, 72%
HSV	164°, 45%, 93%
XYZ	50.8811, 69.8683, 70.4611
YIQ	201.7010, -54.4630, -31.7030

# Conversions

## Conversions Part 2

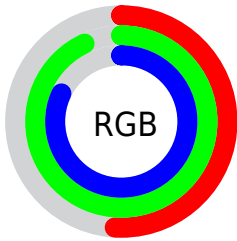
Format	Color
<a href="#">RYB</a>	<a href="#">130, 192, 237</a>
Decimal	<a href="#">8580560</a>
CIELab	<a href="#">86.93, -37.69, 4.48</a>
CIELCh	<a href="#">87, 37.954, 173.225</a>
Yxy	<a href="#">69.8683, 0.2661, 0.3654</a>
Android (android.graphics.Color)	<a href="#">4286770640</a> ( <a href="#">0xFF82EDD0</a> )
YUV	<a href="#">201.7010, 3.1054, -62.8818</a>
Hunter-Lab	<a href="#">83.5873, -37.6215, 8.5317</a>

# Details

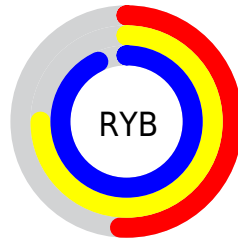
The Yxy color **69.8683, 0.2661, 0.3654** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **36.4966, 0.3999, 0.2968**, and the grayscale version is **58.8839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **36.7204, 0.2546, 0.3746** is the 20% darker color. If you saturate the color by 10%, you get **67.8963, 0.2590, 0.3751**, and if you desaturate by 10%, it is **72.2904, 0.2747, 0.3562**.

# Distribution



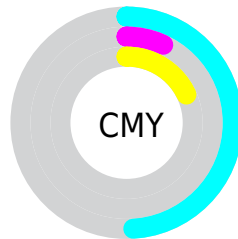
- Red (51%)
- Green (93%)
- Blue (82%)



- Red (51%)
- Yellow (75%)
- Blue (93%)



- Cyan (45%)
- Magenta (0%)
- Yellow (12%)
- Black (7%)




- Cyan (49%)
- Magenta (7%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.8683, 0.2661, 0.3654 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 69.8683, 0.2661, 0.3654 by changing the saturation by 10% instead.




 69.8683, 0.2661,  
0.3654


 69.8683, 0.2661,  
0.3654


460.0874, 0.2879,  
0.3481

 51.4192, 0.2611,  
0.3695


 119.0209, 0.2737,  
0.3593

 36.5423, 0.2548,  
0.3745


 150.4932, 0.2767,  
0.3570

 24.8533, 0.2469,  
0.3810


 187.0753, 0.2792,  
0.3550

 15.9678, 0.2364,  
0.3897

229.1517, 0.2814,  
0.3532

 9.5014, 0.2221,  
0.4017

277.1067, 0.2833,  
0.3517

 5.0696, 0.2014,  
0.4196


331.3247, 0.2850,


 2.2882, 0.1691,


0.3504


0.4489

392.1902, 0.2865,  
0.3492

 0.7674, 0.0000,  
0.5949


 0.0000, 0.0000,  
0.0000


 69.8683, 0.2661,  
0.3654


 69.8683, 0.2661,  
0.3654


 67.8963, 0.2590,  
0.3751


 72.2904, 0.2747,  
0.3562

 66.3357, 0.2537,  
0.3852


 75.1815, 0.2846,  
0.3476

 65.1555, 0.2503,  
0.3955


 78.5695, 0.2953,  
0.3396


 64.3159, 0.2489,  
0.4058

 82.4777, 0.3067,  
0.3324


 63.7685, 0.2495,  
0.4160

 86.9278, 0.3185,  
0.3259

 63.5705, 0.2503,  
0.4210

 88.5153, 0.3188,  
0.3197

 88.9185, 0.3148,  
0.3136

 89.0463, 0.3135,  
0.3117

# Harmonies

## Analogous

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



69.8683, 0.3085, 0.4016



69.8683, 0.2661, 0.3654



69.8683, 0.2374, 0.3193

# Triad

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



69.8683, 0.2661, 0.3654



69.8683, 0.2682, 0.2554



69.8683, 0.4054, 0.3671

# Complementary

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



69.8683, 0.2661, 0.3654



36.4966, 0.3999, 0.2968

# 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.



69.8683, 0.3938, 0.3302



69.8683, 0.2661, 0.3654



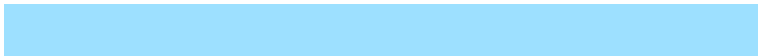
69.8683, 0.3115, 0.2686

# Square

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



69.8683, 0.2661, 0.3654



69.8683, 0.2387, 0.2589



69.8683, 0.3584, 0.2952



69.8683, 0.3900, 0.3982



# Rectangle

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



69.8683, 0.2661, 0.3654



69.8683, 0.2288, 0.2920



69.8683, 0.3584, 0.2952



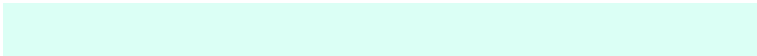
69.8683, 0.4046, 0.3550

# Sweetspot

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



69.8711, 0.2661, 0.3654



93.2381, 0.2965, 0.3388



69.6920, 0.3246, 0.4628



19.7573, 0.2941, 0.3405



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.



69.8711, 0.2661, 0.3654



80.3649, 0.2596, 0.3742



58.8737, 0.2471, 0.2999



17.0480, 0.3017, 0.3355



34.7314, 0.2498, 0.4193



2.7432, 0.2459, 0.4052



# Inverse Universe

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



36.4966, 0.3999, 0.2968



36.4083, 0.4282, 0.2912



42.4800, 0.4215, 0.3553



15.1212, 0.3250, 0.3226



10.0528, 0.5857, 0.3000

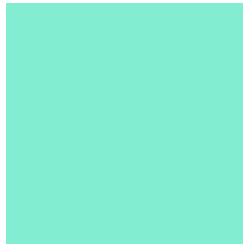


0.8051, 0.5464, 0.2784



# Previews

## White Background



This preview shows how the Yxy color 69.8683, 0.2661, 0.3654 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

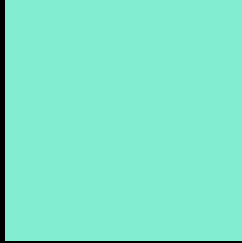
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.8683, 0.2661, 0.3654 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

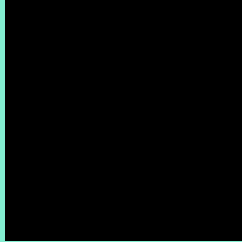
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

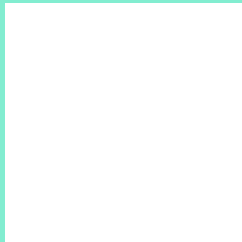
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.8683, 0.2661, 0.3654**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.8683, 0.2661, 0.3654.

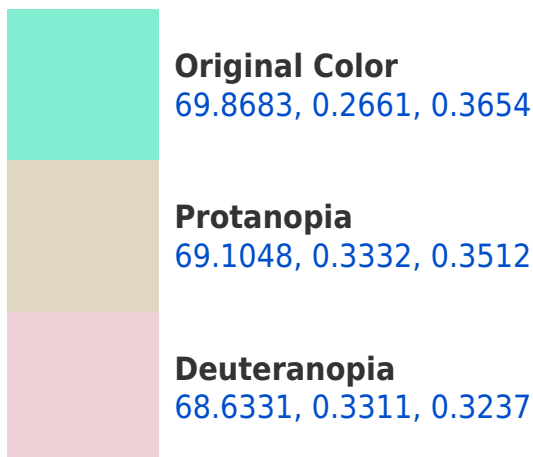


This preview shows how white text looks on a background with the Yxy color 69.8683, 0.2661, 0.3654.

# 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

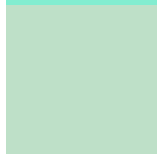
69.8047, 0.2503, 0.3066

# Trichromacy



## Original Color

69.8683, 0.2661, 0.3654



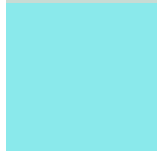
## Protanomaly

68.4286, 0.3045, 0.3573



## Deuteranomaly

67.5586, 0.3032, 0.3370



## Tritanomaly

69.6793, 0.2559, 0.3264

# Monochromacy



## Original Color

69.8683, 0.2661, 0.3654



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

62.1906, 0.2924, 0.3424

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.8683, 0.2661, 0.3654 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(130, 237, 208)` looks like.

```
.text, #text, p{  
    color:rgb(130, 237, 208)  
}
```

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(130, 237, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 237, 208) }
```

## Border

The CSS property to change the border of an element to Yxy 69.8683, 0.2661, 0.3654 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(130, 237, 208) }
```

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

```
.border{ border-color:rgb(130, 237, 208) }
```

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

Here you see how a box with a 4 pixel rgb(130, 237, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 237, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 237, 208);  
box-shadow:4px 4px 4px 4px rgb(130, 237,  
208) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.8683, 0.2661, 0.3654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 237, 208) }
```

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

```
.background{ background-color: rgb(130,  
237, 208) }
```

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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