

# Converting Colors

$Yxy(70.1074, 0.2737, 0.3634)$

Have a look what the booklet for  
Yxy(70.1074, 0.2737, 0.3634)  
contains.

<b>Yxy(69.9414, 0.2737, 0.3636)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(69.9414, 0.2737, 0.3636)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91EBCF
RGB	145, 235, 207
RGB Percent	57%, 92%, 81%
CMY	0.4314, 0.0784, 0.1882
CMYK	0.38, 0.00, 0.12, 0.08
HSL	161°, 69%, 75%
HSV	161°, 38%, 92%
XYZ	52.6484, 69.9414, 69.7683
YIQ	204.8980, -44.6520, -27.7880

# Conversions

## Conversions Part 2

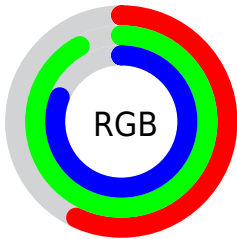
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">145, 198, 235</a>
Decimal	<a href="#">9563087</a>
CIELab	<a href="#">86.97, -33.20, 5.11</a>
CIElCh	<a href="#">87, 33.587, 171.253</a>
Yxy	<a href="#">69.9414, 0.2737, 0.3636</a>
Android (android.graphics.Color)	<a href="#">4287753167</a> ( <a href="#">0xFF91EBCF</a> )
YUV	<a href="#">204.8980, 1.0363, -52.5305</a>
Hunter-Lab	<a href="#">83.6310, -33.9827, 9.0796</a>

# Details

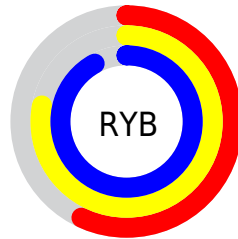
The Yxy color **69.9414, 0.2737, 0.3636** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **40.9279, 0.3775, 0.2976**, and the grayscale version is **60.9979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2966, 0.2816, 0.3289**, and **36.6640, 0.2639, 0.3722** is the 20% darker color. If you saturate the color by 10%, you get **67.6765, 0.2659, 0.3745**, and if you desaturate by 10%, it is **72.6700, 0.2828, 0.3534**.

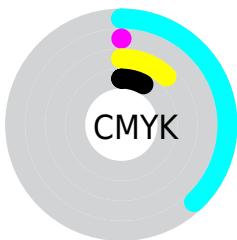
# Distribution



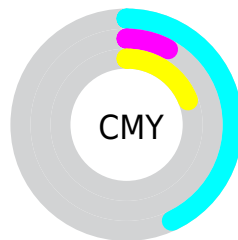
- Red (57%)
- Green (92%)
- Blue (81%)



- Red (57%)
- Yellow (78%)
- Blue (92%)



- Cyan (38%)
- Magenta (0%)
- Yellow (12%)
- Black (8%)




- Cyan (43%)
- Magenta (8%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.9414, 0.2737, 0.3636 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 69.9414, 0.2737, 0.3636 by changing the saturation by 10% instead.





 69.9414, 0.2737,  
0.3636


 69.9414, 0.2737,  
0.3636


460.3442, 0.2920,  
0.3472

 51.4788, 0.2695,  
0.3675


 119.1252, 0.2801,  
0.3578

 36.5898, 0.2642,  
0.3723


 150.6151, 0.2826,  
0.3556

 24.8900, 0.2575,  
0.3785


187.2163, 0.2847,  
0.3537

 15.9951, 0.2486,  
0.3869

229.3131, 0.2865,  
0.3520

 9.5207, 0.2364,  
0.3985

277.2898, 0.2882,  
0.3506

 5.0824, 0.2186,  
0.4159


331.5310, 0.2896,

 2.2957, 0.1903,


0.3493


0.4447

392.4210, 0.2909,  
0.3482


 0.7714, 0.0000,  
0.6150


 0.0000, 0.0000,  
0.0000


 69.9414, 0.2737,  
0.3636


 69.9414, 0.2737,  
0.3636


 67.6765, 0.2659,  
0.3745

 72.6700, 0.2828,  
0.3534


 65.8392, 0.2597,  
0.3859


 75.8791, 0.2928,  
0.3440


 64.4016, 0.2553,  
0.3977

 79.5949, 0.3035,  
0.3355

 63.3288, 0.2529,  
0.4096


 83.8394, 0.3146,  
0.3277

 62.5797, 0.2525,  
0.4216

 87.1835, 0.3208,  
0.3207

 62.0958, 0.2539,  
0.4334

 87.6352, 0.3162,  
0.3137

 62.0257, 0.2543,  
0.4354

 87.8991, 0.3136,  
0.3097

# Harmonies

## Analogous

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



69.9414, 0.3120, 0.3940



69.9414, 0.2737, 0.3636



69.9414, 0.2469, 0.3234

# Triad

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



69.9414, 0.2737, 0.3636



69.9414, 0.2711, 0.2629



69.9414, 0.3947, 0.3615

# Complementary

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



69.9414, 0.2737, 0.3636



40.9279, 0.3775, 0.2976

# 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.



69.9414, 0.3828, 0.3283



69.9414, 0.2737, 0.3636



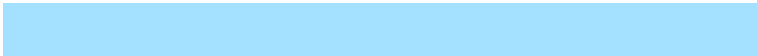
69.9414, 0.3091, 0.2738

# Square

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



69.9414, 0.2737, 0.3636



69.9414, 0.2455, 0.2675



69.9414, 0.3506, 0.2971



69.9414, 0.3829, 0.3893

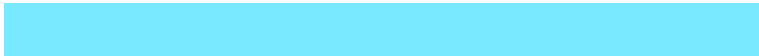


# Rectangle

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



69.9414, 0.2737, 0.3636



69.9414, 0.2382, 0.2988



69.9414, 0.3506, 0.2971



69.9414, 0.3934, 0.3506

# Sweetspot

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



69.9442, 0.2737, 0.3636



94.5137, 0.3005, 0.3377



70.4042, 0.3256, 0.4395



20.0966, 0.2991, 0.3389



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

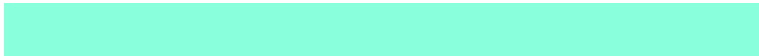


# Same Dimension

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



69.9442, 0.2737, 0.3636



81.9875, 0.2674, 0.3721



62.4213, 0.2565, 0.3087



17.0375, 0.3023, 0.3364



34.5427, 0.2537, 0.4335



2.7296, 0.2492, 0.4172



# Inverse Universe

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



40.9279, 0.3775, 0.2976



42.4136, 0.3979, 0.2913



45.3703, 0.4004, 0.3480



15.1312, 0.3244, 0.3217



10.1182, 0.5720, 0.2925

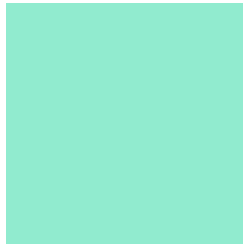


0.8113, 0.5327, 0.2708



# Previews

## White Background



This preview shows how the Yxy color 69.9414, 0.2737, 0.3636 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 69.9414, 0.2737, 0.3636 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

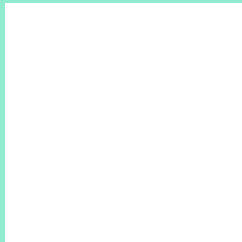
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.9414, 0.2737, 0.3636**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.9414, 0.2737, 0.3636.

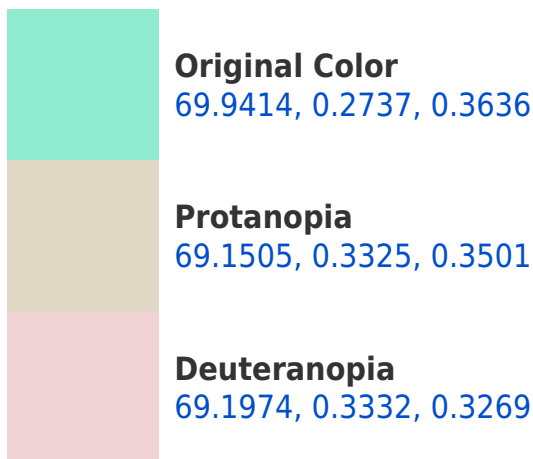


This preview shows how white text looks on a background with the Yxy color 69.9414, 0.2737, 0.3636.

# 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

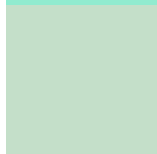
69.7845, 0.2571, 0.3068

# Trichromacy



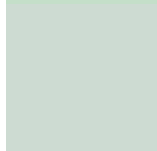
## Original Color

69.9414, 0.2737, 0.3636



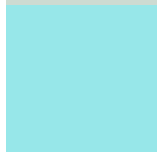
## Protanomaly

68.7282, 0.3080, 0.3546



## Deuteranomaly

68.2953, 0.3087, 0.3392



## Tritanomaly

69.6143, 0.2628, 0.3265

# Monochromacy



## Original Color

69.9414, 0.2737, 0.3636



## Achromatopsia

61.0496, 0.3127, 0.3290



## Achromatomaly

63.6352, 0.2959, 0.3410

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.9414, 0.2737, 0.3636 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(145, 235, 207)` looks like.

```
.text, #text, p{  
    color:rgb(145, 235, 207)  
}
```

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(145, 235, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 235, 207) }
```

## Border

The CSS property to change the border of an element to Yxy 69.9414, 0.2737, 0.3636 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(145, 235, 207) }
```

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

```
.border{ border-color:rgb(145, 235, 207) }
```

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

Here you see how a box with a 4 pixel rgb(145, 235, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 235, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 235, 207);  
box-shadow:4px 4px 4px 4px rgb(145, 235,  
207) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.9414, 0.2737, 0.3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 235, 207) }
```

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

```
.background{ background-color: rgb(145,  
235, 207) }
```

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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