

# Converting Colors

$Yxy(69.1581, 0.2485, 0.3316)$

Have a look what the booklet for  
Yxy(69.1581, 0.2485, 0.3316)  
contains.

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# Color

**Yxy(69.1514, 0.2486, 0.3313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76EBE9
RGB	118, 235, 233
RGB Percent	46%, 92%, 91%
CMY	0.5371, 0.0784, 0.0864
CMYK	0.50, 0.00, 0.01, 0.08
HSL	179°, 75%, 69%
HSV	179°, 50%, 92%
XYZ	51.8896, 69.1514, 87.6864
YIQ	199.7890, -69.0900, -25.4260

# Conversions

## Conversions Part 2

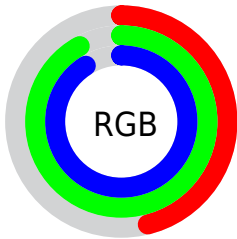
Format	Color
<a href="#">RYB</a>	<a href="#">118, 177, 235</a>
Decimal	<a href="#">7793641</a>
CIELab	<a href="#">86.58, -33.50, -9.21</a>
CIELCh	<a href="#">87, 34.746, 195.379</a>
Yxy	<a href="#">69.1514, 0.2486, 0.3313</a>
Android (android.graphics.Color)	<a href="#">4285983721</a> ( <a href="#">0xFF76EBE9</a> )
YUV	<a href="#">199.7890, 16.3730, -71.7290</a>
Hunter-Lab	<a href="#">83.1573, -34.1424, -4.3090</a>

# Details

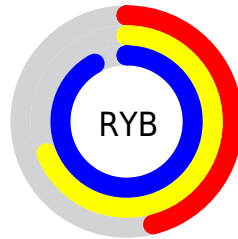
The Yxy color **69.1514, 0.2486, 0.3313** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **31.9892, 0.4515, 0.3272**, and the grayscale version is **57.5598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2050, 0.2691, 0.3289**, and **36.1714, 0.2343, 0.3321** is the 20% darker color. If you saturate the color by 10%, you get **67.6847, 0.2404, 0.3318**, and if you desaturate by 10%, it is **71.0334, 0.2587, 0.3308**.

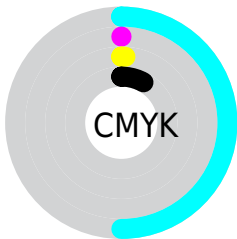
# Distribution



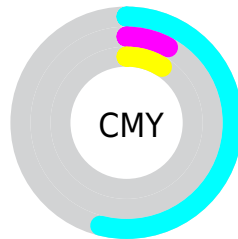
- Red (46%)
- Green (92%)
- Blue (91%)



- Red (46%)
- Yellow (69%)
- Blue (92%)



- Cyan (50%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)




- Cyan (54%)
- Magenta (8%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.1514, 0.2486, 0.3313 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 69.1514, 0.2486, 0.3313 by changing the saturation by 10% instead.




 69.1514, 0.2486,  
0.3313


 69.1514, 0.2486,  
0.3313


457.5648, 0.2780,  
0.3309

 50.8350, 0.2420,  
0.3312

 117.9978, 0.2587,  
0.3313

 36.0773, 0.2339,  
0.3310


 149.2966, 0.2627,  
0.3313

 24.4939, 0.2237,  
0.3307


 185.6917, 0.2661,  
0.3312

 15.7004, 0.2107,  
0.3299

227.5674, 0.2691,  
0.3311

 9.3124, 0.1932,  
0.3285

275.3082, 0.2717,  
0.3311

 4.9455, 0.1690,  
0.3256

329.2984, 0.2740,

 2.2153, 0.1338,

0.3310

389.9225, 0.2761,  
0.3310

0.3188

0.7283, 0.0000,  
0.3241

0.0000, 0.0000,  
0.0000

69.1514, 0.2486,  
0.3313

69.1514, 0.2486,  
0.3313

67.6847, 0.2404,  
0.3318

71.0334, 0.2587,  
0.3308

66.5941, 0.2341,  
0.3324


73.3503, 0.2704,  
0.3303


65.8470, 0.2298,  
0.3330


76.1304, 0.2836,  
0.3298

65.4013, 0.2272,  
0.3335

79.3970, 0.2979,  
0.3294


 65.1870, 0.2262,  
0.3341


 83.1720, 0.3131,  
0.3290

 65.1829, 0.2261,  
0.3341

 86.6991, 0.3260,  
0.3286

 86.7227, 0.3257,  
0.3282

 86.7463, 0.3255,  
0.3278

 86.7700, 0.3252,  
0.3274

# Harmonies

## Analogous

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



69.1514, 0.2793, 0.3725



69.1514, 0.2486, 0.3313



69.1514, 0.2348, 0.2929

# Triad

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



69.1514, 0.2486, 0.3313



69.1514, 0.3005, 0.2686



69.1514, 0.3898, 0.3866

# Complementary

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



69.1514, 0.2486, 0.3313



31.9892, 0.4515, 0.3272

# 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.



69.1514, 0.3975, 0.3559



69.1514, 0.2486, 0.3313



69.1514, 0.3439, 0.2904

# Square

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



69.1514, 0.2486, 0.3313



69.1514, 0.2631, 0.2602



69.1514, 0.3804, 0.3215



69.1514, 0.3609, 0.4045

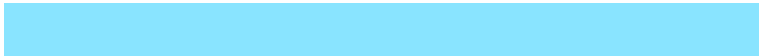


# Rectangle

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



69.1514, 0.2486, 0.3313



69.1514, 0.2361, 0.2745



69.1514, 0.3804, 0.3215



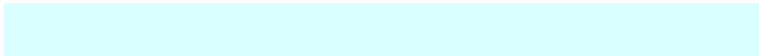
69.1514, 0.3950, 0.3773

# Sweetspot

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



69.1541, 0.2486, 0.3313



93.4109, 0.2902, 0.3296



64.8601, 0.3074, 0.4863



19.8193, 0.2872, 0.3297



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.



69.1541, 0.2486, 0.3313



81.3956, 0.2400, 0.3319



42.6676, 0.2338, 0.2565



17.1171, 0.2984, 0.3294



36.2792, 0.2261, 0.3340



2.8502, 0.2259, 0.3332



# Inverse Universe

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



31.9892, 0.4515, 0.3272



31.7754, 0.4995, 0.3271



48.7161, 0.4195, 0.3900



15.0583, 0.3290, 0.3286



9.8367, 0.6382, 0.3289

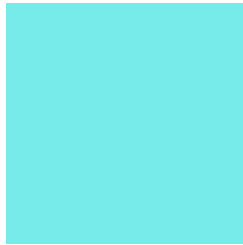


0.7739, 0.6331, 0.3261



# Previews

## White Background



This preview shows how the Yxy color 69.1514, 0.2486, 0.3313 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

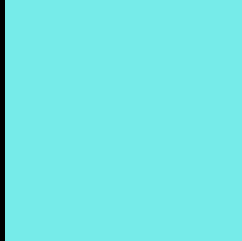
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.1514, 0.2486, 0.3313 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

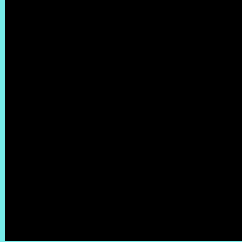
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.1514, 0.2486, 0.3313**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.1514, 0.2486, 0.3313.

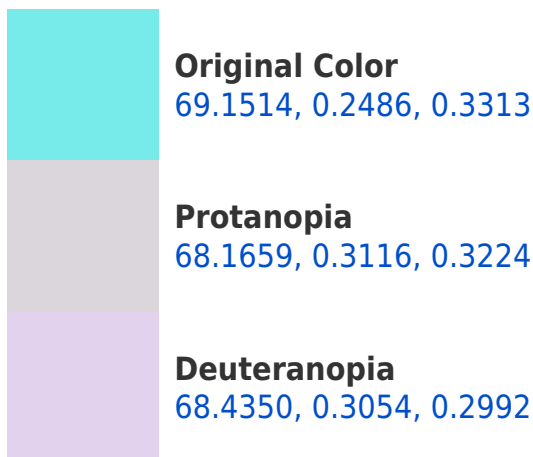


This preview shows how white text looks on a background with the Yxy color 69.1514, 0.2486, 0.3313.

# 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

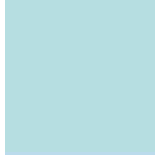
68.9633, 0.2423, 0.3062

# Trichromacy



## Original Color

69.1514, 0.2486, 0.3313



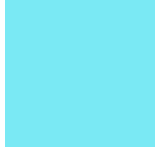
## Protanomaly

67.6239, 0.2839, 0.3254



## Deuteranomaly

67.2840, 0.2805, 0.3095



## Tritanomaly

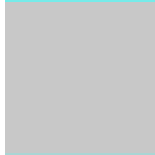
68.9471, 0.2448, 0.3155

# Monochromacy



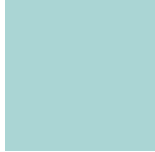
## Original Color

69.1514, 0.2486, 0.3313



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

60.8880, 0.2833, 0.3301

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.1514, 0.2486, 0.3313 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(118, 235, 233)` looks like.

```
.text, #text, p{  
    color:rgb(118, 235, 233)  
}
```

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(118, 235, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 235, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 69.1514, 0.2486, 0.3313 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(118, 235, 233) }
```

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

```
.border{ border-color:rgb(118, 235, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 235, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 235, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 235, 233);  
box-shadow:4px 4px 4px 4px rgb(118, 235,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.1514, 0.2486, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 235, 233) }
```

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

```
.background{ background-color: rgb(118,  
235, 233) }
```

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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