

# Converting Colors

$Yxy(73.5513, 0.2637, 0.3242)$

Have a look what the booklet for  
Yxy(73.5513, 0.2637, 0.3242)  
contains.

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# Color

**Yxy(73.5513, 0.2637, 0.3242)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EECF0
RGB	158, 236, 240
RGB Percent	62%, 93%, 94%
CMY	0.3804, 0.0745, 0.0588
CMYK	0.34, 0.02, 0.00, 0.06
HSL	183°, 73%, 78%
HSV	183°, 34%, 94%
XYZ	59.8257, 73.5513, 93.4932
YIQ	213.1340, -47.7720, -15.2920

# Conversions

## Conversions Part 2

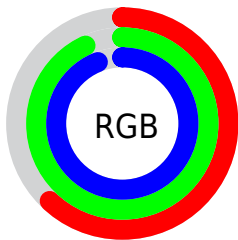
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	158, 198, 240
Decimal	10415344
CIE Lab	88.71, -22.83, -9.56
CIE LCh	89, 24.755, 202.718
Yxy	73.5513, 0.2637, 0.3242
Android (android.graphics.Color)	4288605424 (0xFF9EECF0)
YUV	213.1340, 13.2449, -48.3525
Hunter-Lab	85.7621, -25.5661, -4.6013

# Details

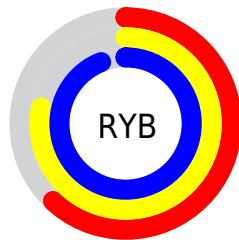
The Yxy color **73.5513, 0.2637, 0.3242** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.8427, 0.3921, 0.3337**, and the grayscale version is **66.5698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1871, 0.2889, 0.3289**, and **38.9280, 0.2524, 0.3227** is the 20% darker color. If you saturate the color by 10%, you get **70.6792, 0.2521, 0.3226**, and if you desaturate by 10%, it is **76.9090, 0.2768, 0.3257**.

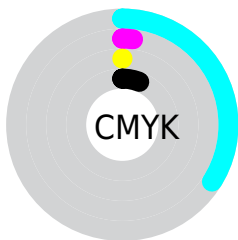
# Distribution



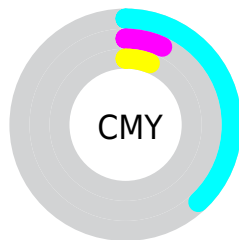
- Red (62%)
- Green (93%)
- Blue (94%)



- Red (62%)
- Yellow (78%)
- Blue (94%)



- Cyan (34%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)




- Cyan (38%)
- Magenta (7%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5513, 0.2637, 0.3242 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 73.5513, 0.2637, 0.3242 by changing the saturation by 10% instead.





 73.5513, 0.2637,  
0.3242


 73.5513, 0.2637,  
0.3242


472.9233, 0.2860,  
0.3268

 54.4269, 0.2587,  
0.3235


 124.2595, 0.2714,  
0.3252

 38.9430, 0.2526,  
0.3226


 156.6121, 0.2744,  
0.3256

 26.7154, 0.2450,  
0.3213


194.1429, 0.2769,  
0.3259

 17.3596, 0.2351,  
0.3196

237.2363, 0.2792,  
0.3261

 10.4912, 0.2220,  
0.3170

286.2766, 0.2812,  
0.3263

 5.7258, 0.2036,  
0.3128

341.6483, 0.2830,

 2.6791, 0.1765,

0.3265

403.7357, 0.2846,  
0.3267

0.3052

0.9666, 0.1102,  
0.2967

0.0000, 0.0000,  
0.0000

73.5513, 0.2637,  
0.3242

73.5513, 0.2637,  
0.3242

70.6792, 0.2521,  
0.3226

76.9090, 0.2768,  
0.3257

68.2561, 0.2421,  
0.3210

80.7690, 0.2911,  
0.3272

66.2542, 0.2340,  
0.3193

85.1581, 0.3062,  
0.3285

64.6391, 0.2279,  
0.3176

90.0983, 0.3219,  
0.3297

■ 63.3707, 0.2237,  
0.3160

■ 90.9824, 0.3225,  
0.3308

■ 62.4000, 0.2213,  
0.3144

■ 91.6833, 0.3224,  
0.3320

■ 61.9287, 0.2204,  
0.3134

■ 92.3887, 0.3223,  
0.3331

■ 93.0986, 0.3222,  
0.3342

■ 93.8130, 0.3221,  
0.3354

# Harmonies

## Analogous

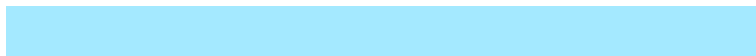
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.5513, 0.2833, 0.3525



73.5513, 0.2637, 0.3242



73.5513, 0.2568, 0.2990

# Triad

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



73.5513, 0.2637, 0.3242



73.5513, 0.3119, 0.2887



73.5513, 0.3631, 0.3742

# Complementary

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



73.5513, 0.2637, 0.3242



46.8427, 0.3921, 0.3337

# 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.



73.5513, 0.3720, 0.3548



73.5513, 0.2637, 0.3242



73.5513, 0.3417, 0.3067

# Square

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



73.5513, 0.2637, 0.3242



73.5513, 0.2836, 0.2802



73.5513, 0.3641, 0.3304



73.5513, 0.3406, 0.3821

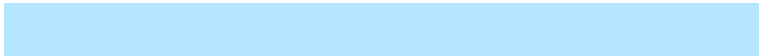


# Rectangle

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



73.5513, 0.2637, 0.3242



73.5513, 0.2600, 0.2874



73.5513, 0.3641, 0.3304



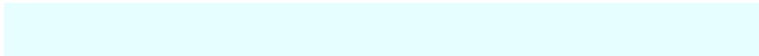
73.5513, 0.3678, 0.3687

# Sweetspot

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



73.5542, 0.2637, 0.3242



94.6868, 0.2973, 0.3277



72.1629, 0.3064, 0.4279



20.1178, 0.2951, 0.3275



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.



73.5542, 0.2637, 0.3242



82.0460, 0.2554, 0.3231



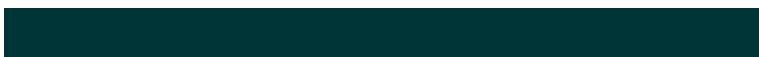
53.1656, 0.2573, 0.2756



17.7886, 0.2981, 0.3278



33.9546, 0.2205, 0.3137



2.8652, 0.2211, 0.3158



# Inverse Universe

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



49.0387, 0.3200, 0.2479



50.1115, 0.3217, 0.2321



63.1173, 0.3772, 0.3768



16.0173, 0.3145, 0.3069



13.2211, 0.3335, 0.1611

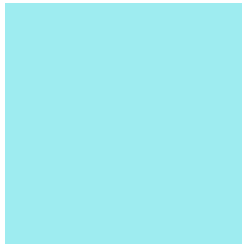


1.1040, 0.3317, 0.1601



# Previews

## White Background



This preview shows how the Yxy color 73.5513, 0.2637, 0.3242 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

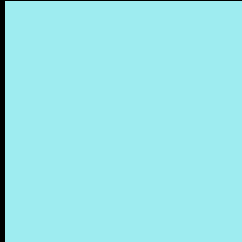
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.5513, 0.2637, 0.3242 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

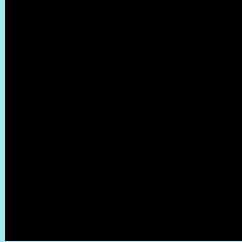
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 73.5513, 0.2637, 0.3242**

## Background



This preview shows how black text looks on a background with the Yxy color 73.5513, 0.2637, 0.3242.

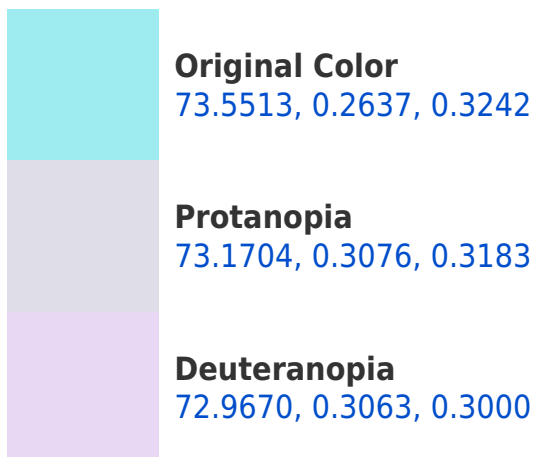


This preview shows how white text looks on a background with the Yxy color 73.5513, 0.2637, 0.3242.

# 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

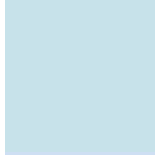
73.5146, 0.2585, 0.3073

# Trichromacy



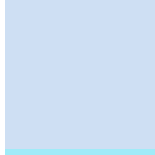
## Original Color

73.5513, 0.2637, 0.3242



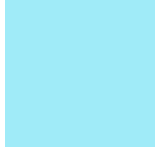
## Protanomaly

72.4753, 0.2897, 0.3201



## Deuteranomaly

72.3682, 0.2887, 0.3072



## Tritanomaly

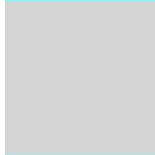
73.6676, 0.2606, 0.3140

# Monochromacy



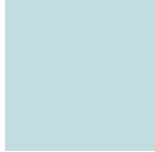
## Original Color

73.5513, 0.2637, 0.3242



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

68.3781, 0.2922, 0.3266

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.5513, 0.2637, 0.3242 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(158, 236, 240)` looks like.

```
.text, #text, p{  
    color:rgb(158, 236, 240)  
}
```

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(158, 236, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 236, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 73.5513, 0.2637, 0.3242 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(158, 236, 240) }
```

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

```
.border{ border-color:rgb(158, 236, 240) }
```

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

Here you see how a box with a 4 pixel rgb(158, 236, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 236, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 236, 240);  
box-shadow:4px 4px 4px 4px rgb(158, 236,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.5513, 0.2637, 0.3242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 236, 240) }
```

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

```
.background{ background-color: rgb(158,  
236, 240) }
```

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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