

# Converting Colors

$Y_{xy}(65.4930, 0.2620, 0.3172)$

Have a look what the booklet for  
Yxy(65.4930, 0.2620, 0.3172)  
contains.

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# Color

**Yxy(65.3339, 0.2621, 0.3168)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98DFE9
RGB	152, 223, 233
RGB Percent	60%, 87%, 91%
CMY	0.4036, 0.1255, 0.0863
CMYK	0.35, 0.04, 0.00, 0.09
HSL	187°, 65%, 76%
HSV	187°, 35%, 91%
XYZ	54.0531, 65.3339, 86.8438
YIQ	202.9110, -45.5260, -11.9420

# Conversions

## Conversions Part 2

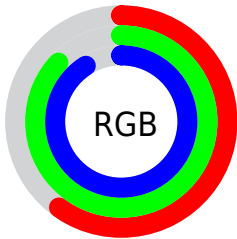
Format	Color
<a href="#">RYB</a>	<a href="#">152, 190, 233</a>
Decimal	<a href="#">10018793</a>
CIELab	<a href="#">84.66, -19.61, -11.93</a>
CIELCh	<a href="#">85, 22.954, 211.323</a>
Yxy	<a href="#">65.3339, 0.2621, 0.3168</a>
Android (android.graphics.Color)	<a href="#">4288208873</a> ( <a href="#">0xFF98DFE9</a> )
YUV	<a href="#">202.9110, 14.8339, -44.6489</a>
Hunter-Lab	<a href="#">80.8294, -22.0830, -7.1211</a>

# Details

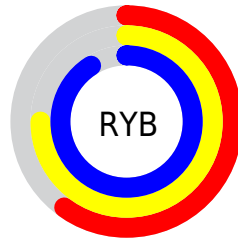
The Yxy color **65.3339, 0.2621, 0.3168** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.4574, 0.3913, 0.3407**, and the grayscale version is **59.5993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **33.7210, 0.2505, 0.3143** is the 20% darker color. If you saturate the color by 10%, you get **61.7783, 0.2498, 0.3127**, and if you desaturate by 10%, it is **69.3625, 0.2757, 0.3206**.

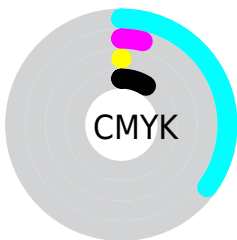
# Distribution



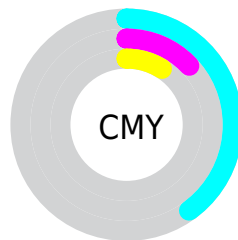
- Red (60%)
- Green (87%)
- Blue (91%)



- Red (60%)
- Yellow (75%)
- Blue (91%)



- Cyan (35%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)




- Cyan (40%)
- Magenta (13%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3339, 0.2621, 0.3168 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 65.3339, 0.2621, 0.3168 by changing the saturation by 10% instead.




 65.3339, 0.2621,  
0.3168


 65.3339, 0.2621,  
0.3168

443.9909, 0.2856,  
0.3230

 47.7319, 0.2567,  
0.3152

 112.5298, 0.2702,  
0.3191

 33.6146, 0.2501,  
0.3132


 142.8924, 0.2734,  
0.3199

 22.5977, 0.2418,  
0.3106


178.2774, 0.2761,  
0.3206

 14.2967, 0.2309,  
0.3069

219.0690, 0.2785,  
0.3213

 8.3273, 0.2162,  
0.3016

265.6518, 0.2806,  
0.3218

 4.3051, 0.1952,  
0.2932

318.4102, 0.2824,

 1.8457, 0.1634,

0.3222

0.2784

377.7284, 0.2841,  
0.3227

■ 0.5154, 0.0056,  
0.2591

■ 0.0000, 0.0000,  
0.0000

■ 65.3339, 0.2621,  
0.3168

■ 65.3339, 0.2621,  
0.3168

■ 61.7783, 0.2498,  
0.3127

■ 69.3625, 0.2757,  
0.3206

■ 58.6618, 0.2391,  
0.3085

■ 73.8802, 0.2902,  
0.3242

■ 55.9581, 0.2302,  
0.3042

■ 78.9120, 0.3054,  
0.3275

■ 53.6349, 0.2231,  
0.2998

■ 84.4786, 0.3209,  
0.3306

■ 51.6545, 0.2181,  
0.2955

■ 87.9346, 0.3273,  
0.3334

■ 49.9708, 0.2148,  
0.2912

■ 89.6186, 0.3270,  
0.3362

■ 49.1649, 0.2136,  
0.2889

■ 91.3295, 0.3268,  
0.3390

■ 93.0674, 0.3265,  
0.3417

■ 94.8324, 0.3262,  
0.3445

# Harmonies

## Analogous

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



65.3339, 0.2778, 0.3441



65.3339, 0.2621, 0.3168



65.3339, 0.2593, 0.2947

# Triad

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



65.3339, 0.2621, 0.3168



65.3339, 0.3204, 0.2942



65.3339, 0.3562, 0.3762

# Complementary

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



65.3339, 0.2621, 0.3168



45.4574, 0.3913, 0.3407

# 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.



65.3339, 0.3690, 0.3601



65.3339, 0.2621, 0.3168



65.3339, 0.3480, 0.3136

# Square

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



65.3339, 0.2621, 0.3168



65.3339, 0.2919, 0.2831



65.3339, 0.3661, 0.3373



65.3339, 0.3319, 0.3796

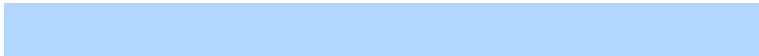


# Rectangle

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



65.3339, 0.2621, 0.3168



65.3339, 0.2650, 0.2855



65.3339, 0.3661, 0.3373



65.3339, 0.3621, 0.3719

# Sweetspot

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



65.3365, 0.2621, 0.3168



93.4866, 0.2972, 0.3258



67.5460, 0.3026, 0.4207



19.8253, 0.2951, 0.3253



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

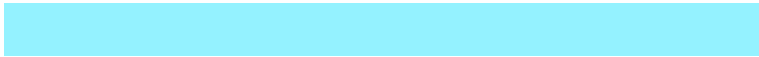


# Same Dimension

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



65.3365, 0.2621, 0.3168



76.8724, 0.2528, 0.3138



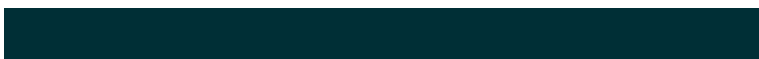
46.4702, 0.2553, 0.2659



16.7857, 0.2981, 0.3260



28.0248, 0.2138, 0.2896



2.2899, 0.2154, 0.2955



# Inverse Universe

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



45.1300, 0.3254, 0.2525



48.8053, 0.3287, 0.2366



61.8194, 0.3758, 0.3847



15.2799, 0.3157, 0.3086



12.3219, 0.3547, 0.1728

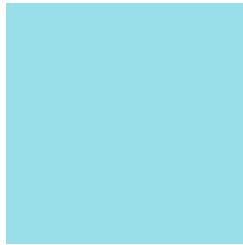


0.9766, 0.3494, 0.1698



# Previews

## White Background



This preview shows how the Yxy color 65.3339, 0.2621, 0.3168 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

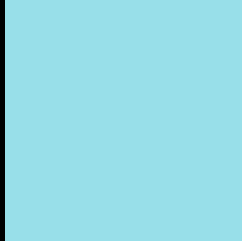
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.3339, 0.2621, 0.3168 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

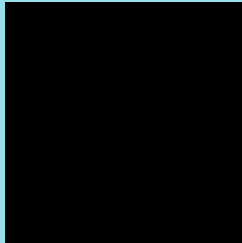
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.3339, 0.2621, 0.3168**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.3339, 0.2621, 0.3168.

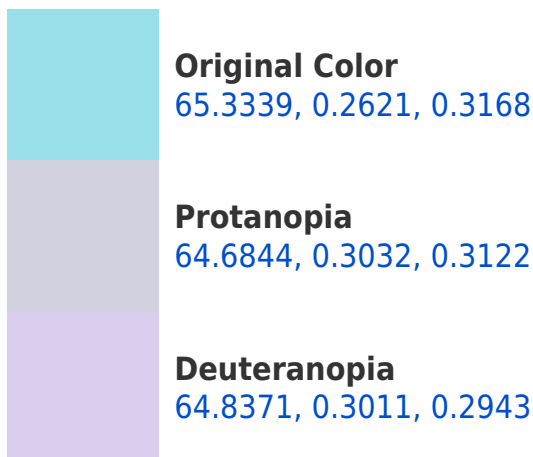


This preview shows how white text looks on a background with the Yxy color 65.3339, 0.2621, 0.3168.

# 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

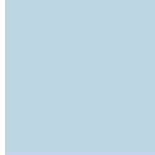
65.4038, 0.2594, 0.3074

# Trichromacy



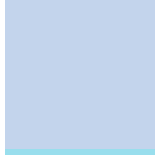
## Original Color

65.3339, 0.2621, 0.3168



## Protanomaly

64.4580, 0.2868, 0.3139



## Deuteranomaly

64.7452, 0.2852, 0.3018



## Tritanomaly

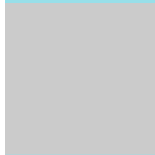
65.1293, 0.2604, 0.3109

# Monochromacy



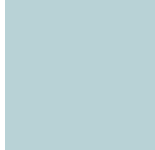
## Original Color

65.3339, 0.2621, 0.3168



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

61.1386, 0.2913, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.3339, 0.2621, 0.3168 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(152, 223, 233)` looks like.

```
.text, #text, p{  
    color:rgb(152, 223, 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(152, 223, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 223, 233) }
```

## Border

The CSS property to change the border of an element to Yxy 65.3339, 0.2621, 0.3168 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(152, 223, 233) }
```

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

```
.border{ border-color:rgb(152, 223, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 223, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 223, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 223, 233);  
box-shadow:4px 4px 4px 4px rgb(152, 223,  
233) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.3339, 0.2621, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 223, 233) }
```

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

```
.background{ background-color: rgb(152,  
223, 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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