

# Converting Colors

$Yxy(71.1662, 0.2539, 0.3399)$

Have a look what the booklet for  
Yxy(71.1662, 0.2539, 0.3399)  
contains.

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# Color

**Yxy(71.1662, 0.2539, 0.3399)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DEEE5
RGB	125, 238, 229
RGB Percent	49%, 93%, 90%
CMY	0.5102, 0.0666, 0.1020
CMYK	0.48, 0.00, 0.04, 0.07
HSL	175°, 77%, 71%
HSV	175°, 48%, 93%
XYZ	53.1600, 71.1662, 85.0477
YIQ	203.1870, -64.4590, -26.7550

# Conversions

## Conversions Part 2

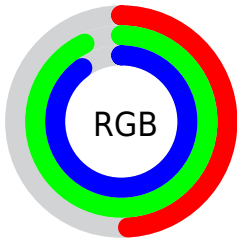
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 184, 238
Decimal	8253157
CIELab	87.57, -34.45, -5.63
CIELCh	88, 34.903, 189.279
Yxy	71.1662, 0.2539, 0.3399
Android (android.graphics.Color)	4286443237 (0xFF7DEEE5)
YUV	203.1870, 12.7258, -68.5700
Hunter-Lab	84.3601, -35.1472, -0.7212

# Details

The Yxy color **71.1662, 0.2539, 0.3399** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **34.5395, 0.4335, 0.3194**, and the grayscale version is **59.7778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9303, 0.2721, 0.3289**, and **37.5687, 0.2404, 0.3419** is the 20% darker color. If you saturate the color by 10%, you get **69.4834, 0.2457, 0.3426**, and if you desaturate by 10%, it is **73.2848, 0.2639, 0.3373**.

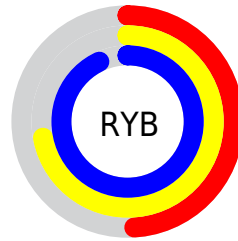
# Distribution



Red (49%)

Green (93%)

Blue (90%)



Red (49%)

Yellow (72%)

Blue (93%)

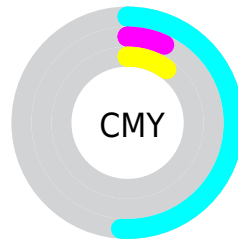


Cyan (48%)

Magenta (0%)

Yellow (4%)

Black (7%)



Cyan (51%)

Magenta (7%)


Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1662, 0.2539, 0.3399 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 71.1662, 0.2539, 0.3399 by changing the saturation by 10% instead.





 71.1662, 0.2539,  
0.3399


 71.1662, 0.2539,  
0.3399


464.6342, 0.2808,  
0.3353

 52.4778, 0.2478,  
0.3408

 120.8703, 0.2632,  
0.3384

 37.3861, 0.2404,  
0.3419


 152.6549, 0.2668,  
0.3378

 25.5066, 0.2310,  
0.3432


 189.5737, 0.2699,  
0.3372

 16.4549, 0.2190,  
0.3448

232.0110, 0.2727,  
0.3368

 9.8466, 0.2029,  
0.3465

280.3514, 0.2751,  
0.3363

 5.2974, 0.1803,  
0.3484

334.9791, 0.2772,

 2.4228, 0.1471,

0.3360

0.3498

396.2786, 0.2791,  
0.3356

0.8376, 0.0000,  
0.3834

0.0000, 0.0000,  
0.0000

71.1662, 0.2539,  
0.3399

71.1662, 0.2539,  
0.3399

69.4834, 0.2457,  
0.3426

73.2848, 0.2639,  
0.3373

68.1968, 0.2394,  
0.3453


75.8588, 0.2754,  
0.3349

67.2738, 0.2350,  
0.3480


78.9168, 0.2882,  
0.3326


66.6728, 0.2326,  
0.3508


82.4826, 0.3019,  
0.3305


 66.3384, 0.2318,  
0.3534


 86.5785, 0.3163,  
0.3285

 66.2757, 0.2317,  
0.3541

 88.7359, 0.3226,  
0.3267

 88.8498, 0.3214,  
0.3249

 88.9649, 0.3202,  
0.3230

 89.0811, 0.3190,  
0.3212

# Harmonies

## Analogous

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



71.1662, 0.2872, 0.3795



71.1662, 0.2539, 0.3399



71.1662, 0.2364, 0.3000

# Triad

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



71.1662, 0.2539, 0.3399



71.1662, 0.2922, 0.2659



71.1662, 0.3929, 0.3808

# Complementary

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



71.1662, 0.2539, 0.3399



34.5395, 0.4335, 0.3194

# 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.



71.1662, 0.3955, 0.3489



71.1662, 0.2539, 0.3399



71.1662, 0.3351, 0.2853

# Square

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



71.1662, 0.2539, 0.3399



71.1662, 0.2573, 0.2607



71.1662, 0.3739, 0.3148



71.1662, 0.3678, 0.4020



# Rectangle

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



71.1662, 0.2539, 0.3399



71.1662, 0.2352, 0.2796



71.1662, 0.3739, 0.3148



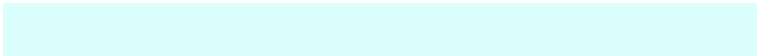
71.1662, 0.3965, 0.3709

# Sweetspot

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



71.1690, 0.2539, 0.3399



93.6642, 0.2928, 0.3318



67.7336, 0.3110, 0.4770



19.8621, 0.2899, 0.3323



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.



71.1690, 0.2539, 0.3399



81.3069, 0.2459, 0.3425



47.7366, 0.2385, 0.2680



17.9059, 0.2992, 0.3309



36.9769, 0.2316, 0.3537



3.0825, 0.2306, 0.3501



# Inverse Universe

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



34.5395, 0.4335, 0.3194



33.7235, 0.4740, 0.3181



49.1743, 0.4167, 0.3814



15.7793, 0.3281, 0.3271



10.1746, 0.6313, 0.3251

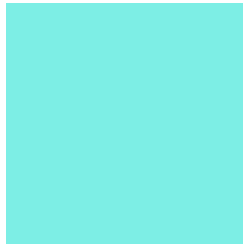


0.8535, 0.6106, 0.3137



# Previews

## White Background



This preview shows how the Yxy color 71.1662, 0.2539, 0.3399 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

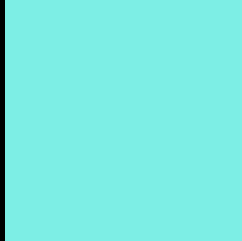
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.1662, 0.2539, 0.3399 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

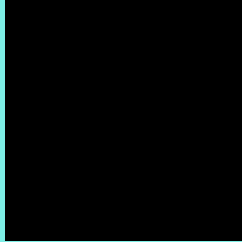
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 71.1662, 0.2539, 0.3399**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.1662, 0.2539, 0.3399.

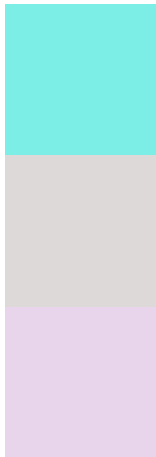


This preview shows how white text looks on a background with the Yxy color 71.1662, 0.2539, 0.3399.

# 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



### Original Color

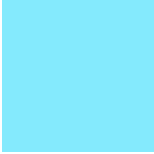
71.1662, 0.2539, 0.3399

### Protanopia

70.1651, 0.3163, 0.3290

### Deuteranopia

70.2409, 0.3117, 0.3048



## **Tritanopia**

70.8430, 0.2452, 0.3065

# Trichromacy



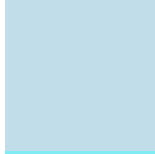
## Original Color

71.1662, 0.2539, 0.3399



## Protanomaly

69.6357, 0.2897, 0.3336



## Deuteranomaly

68.9336, 0.2862, 0.3154



## Tritanomaly

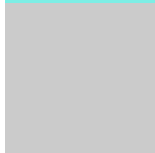
70.6154, 0.2481, 0.3181

# Monochromacy



## Original Color

71.1662, 0.2539, 0.3399



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

62.9792, 0.2868, 0.3338

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.1662, 0.2539, 0.3399 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(125, 238, 229)` looks like.

```
.text, #text, p{  
    color:rgb(125, 238, 229)  
}
```

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(125, 238, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 238, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 71.1662, 0.2539, 0.3399 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(125, 238, 229) }
```

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

```
.border{ border-color:rgb(125, 238, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 238, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 238, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 238, 229); box-shadow:4px 4px 4px 4px rgb(125, 238, 229) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.1662, 0.2539, 0.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 238, 229) }
```

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

```
.background{ background-color: rgb(125,  
238, 229) }
```

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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