

# Converting Colors

$Yxy(63.9796, 0.2502, 0.3336)$

Have a look what the booklet for  
Yxy(63.9796, 0.2502, 0.3336)  
contains.

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# Color

**Yxy(63.9789, 0.2505, 0.3339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	74E3DF
RGB	116, 227, 223
RGB Percent	45%, 89%, 87%
CMY	0.5448, 0.1098, 0.1255
CMYK	0.49, 0.00, 0.02, 0.11
HSL	178°, 66%, 67%
HSV	178°, 49%, 89%
XYZ	47.9985, 63.9789, 79.6335
YIQ	193.3550, -64.8720, -24.7760

# Conversions

## Conversions Part 2

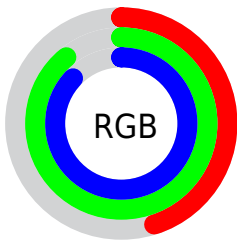
Format	Color
<b>RYB</b>	116, 173, 227
Decimal	7660511
CIELab	83.95, -32.67, -7.86
CIELCh	84, 33.603, 193.525
Yxy	63.9789, 0.2505, 0.3339
Android (android.graphics.Color)	4285850591 (0xFF74E3DF)
YUV	193.3550, 14.6150, -67.8403
Hunter-Lab	79.9868, -32.8625, -3.0374

# Details

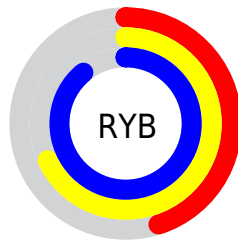
The Yxy color **63.9789, 0.2505, 0.3339** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **30.1969, 0.4445, 0.3248**, and the grayscale version is **53.5015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **32.6830, 0.2355, 0.3339** is the 20% darker color. If you saturate the color by 10%, you get **62.5660, 0.2422, 0.3351**, and if you desaturate by 10%, it is **65.7770, 0.2606, 0.3328**.

# Distribution



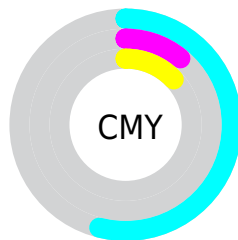
- Red (45%)
- Green (89%)
- Blue (87%)



- Red (45%)
- Yellow (68%)
- Blue (89%)



- Cyan (49%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)




- Cyan (54%)
- Magenta (11%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9789, 0.2505, 0.3339 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 63.9789, 0.2505, 0.3339 by changing the saturation by 10% instead.




 63.9789, 0.2505,  
0.3339

 63.9789, 0.2505,  
0.3339


439.1134, 0.2794,  
0.3322

 46.6336, 0.2439,  
0.3341


 110.5805, 0.2606,  
0.3334

 32.7461, 0.2357,  
0.3344


 140.6057, 0.2645,  
0.3332

 21.9320, 0.2254,  
0.3345


 175.6262, 0.2678,  
0.3330

 13.8069, 0.2119,  
0.3344

216.0265, 0.2707,  
0.3328

 7.9865, 0.1937,  
0.3339

262.1910, 0.2733,  
0.3326

 4.0863, 0.1679,  
0.3321

314.5040, 0.2756,

 1.7220, 0.1275,

0.3325

373.3500, 0.2776,  
0.3323

0.3273

0.4378, 0.0000,  
0.2988

0.0000, 0.0000,  
0.0000

63.9789, 0.2505,  
0.3339

63.9789, 0.2505,  
0.3339

62.5660, 0.2422,  
0.3351

65.7770, 0.2606,  
0.3328

61.5028, 0.2359,  
0.3362


67.9783, 0.2723,  
0.3317


60.7597, 0.2315,  
0.3374

70.6084, 0.2854,  
0.3307


60.2987, 0.2289,  
0.3386

73.6885, 0.2995,  
0.3298

 60.0620, 0.2278,  
0.3398


 77.2389, 0.3144,  
0.3289

 60.0404, 0.2278,  
0.3399

 81.2781, 0.3299,  
0.3281

 81.8365, 0.3312,  
0.3273

 81.8821, 0.3307,  
0.3265

 81.9280, 0.3301,  
0.3257

# Harmonies

## Analogous

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



63.9789, 0.2819, 0.3744



63.9789, 0.2505, 0.3339



63.9789, 0.2356, 0.2952

# Triad

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



63.9789, 0.2505, 0.3339



63.9789, 0.2980, 0.2680



63.9789, 0.3904, 0.3846

# Complementary

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



63.9789, 0.2505, 0.3339



30.1969, 0.4445, 0.3248

# 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.



63.9789, 0.3965, 0.3537



63.9789, 0.2505, 0.3339



63.9789, 0.3411, 0.2890

# Square

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



63.9789, 0.2505, 0.3339



63.9789, 0.2616, 0.2607



63.9789, 0.3781, 0.3195



63.9789, 0.3628, 0.4034

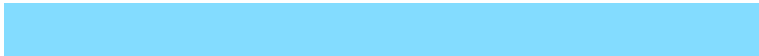


# Rectangle

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



63.9789, 0.2505, 0.3339



63.9789, 0.2362, 0.2763



63.9789, 0.3781, 0.3195



63.9789, 0.3951, 0.3752

# Sweetspot

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



63.9814, 0.2505, 0.3339



93.3651, 0.2906, 0.3303



60.3081, 0.3086, 0.4822



19.8081, 0.2876, 0.3305



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.



63.9814, 0.2505, 0.3339



81.3724, 0.2418, 0.3351



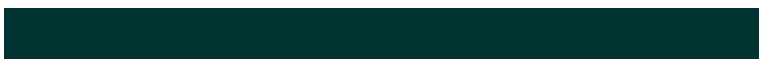
40.7411, 0.2358, 0.2609



16.3270, 0.2986, 0.3298



35.0217, 0.2277, 0.3397



2.5908, 0.2272, 0.3380



# Inverse Universe

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



30.1969, 0.4445, 0.3248



32.3967, 0.4913, 0.3244



44.8620, 0.4179, 0.3868



14.3763, 0.3287, 0.3282



9.5383, 0.6361, 0.3278

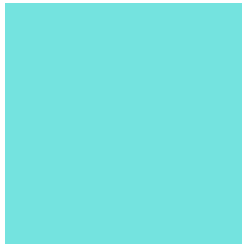


0.7078, 0.6252, 0.3217



# Previews

## White Background



This preview shows how the Yxy color 63.9789, 0.2505, 0.3339 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

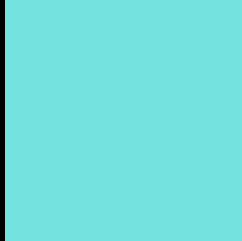
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.9789, 0.2505, 0.3339 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 63.9789, 0.2505, 0.3339**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.9789, 0.2505, 0.3339.

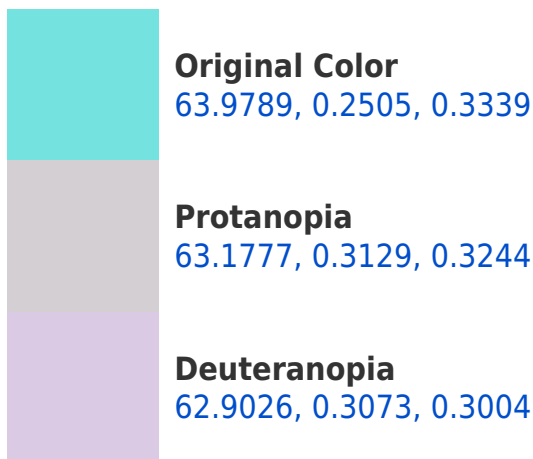


This preview shows how white text looks on a background with the Yxy color 63.9789, 0.2505, 0.3339.

# 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

63.8597, 0.2435, 0.3067

# Trichromacy



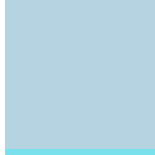
## Original Color

63.9789, 0.2505, 0.3339



## Protanomaly

62.2295, 0.2855, 0.3277



## Deuteranomaly

62.0246, 0.2826, 0.3112



## Tritanomaly

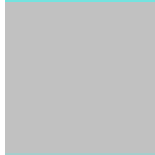
63.8417, 0.2461, 0.3163

# Monochromacy



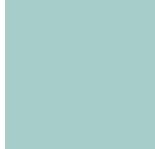
## Original Color

63.9789, 0.2505, 0.3339



## Achromatopsia

53.3276, 0.3127, 0.3290



## Achromatomaly

56.0216, 0.2844, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.9789, 0.2505, 0.3339 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(116, 227, 223)` looks like.

```
.text, #text, p{  
    color:rgb(116, 227, 223)  
}
```

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(116, 227, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 227, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 63.9789, 0.2505, 0.3339 is called "border". The border property can be set on classes, ids or directly on the HTML element.

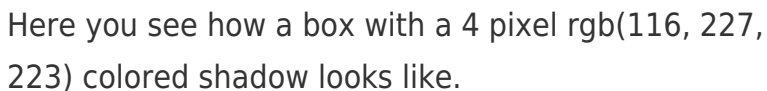
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 227, 223) }
```

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

```
.border{ border-color:rgb(116, 227, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 227, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 227, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 227, 223); box-shadow:4px 4px 4px 4px rgb(116, 227, 223) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.9789, 0.2505, 0.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 227, 223) }
```

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

```
.background{ background-color: rgb(116,  
227, 223) }
```

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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