

# Converting Colors

$Yxy(59.8327, 0.2493, 0.3218)$

Have a look what the booklet for  
Yxy(59.8327, 0.2493, 0.3218)  
contains.

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# Color

**Yxy(59.9668, 0.2494, 0.3224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77DBE0
RGB	119, 219, 224
RGB Percent	47%, 86%, 88%
CMY	0.5335, 0.1411, 0.1216
CMYK	0.47, 0.02, 0.00, 0.12
HSL	183°, 63%, 67%
HSV	183°, 47%, 88%
XYZ	46.3887, 59.9668, 79.6457
YIQ	189.6700, -61.2050, -19.6450

# Conversions

## Conversions Part 2

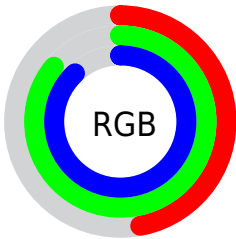
Format	Color
<a href="#">RYB</a>	<a href="#">119, 170, 224</a>
Decimal	<a href="#">7855072</a>
CIELab	<a href="#">81.82, -27.97, -11.55</a>
CIElCh	<a href="#">82, 30.263, 202.433</a>
Yxy	<a href="#">59.9668, 0.2494, 0.3224</a>
Android (android.graphics.Color)	<a href="#">4286045152</a> ( <a href="#">0xFF77DBE0</a> )
YUV	<a href="#">189.6700, 16.9247, -61.9776</a>
Hunter-Lab	<a href="#">77.4382, -28.5880, -6.7734</a>

# Details

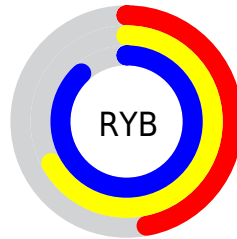
The Yxy color **59.9668, 0.2494, 0.3224** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.5793, 0.4380, 0.3352**, and the grayscale version is **51.2160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **30.3150, 0.2342, 0.3201** is the 20% darker color. If you saturate the color by 10%, you get **58.0144, 0.2400, 0.3208**, and if you desaturate by 10%, it is **62.3008, 0.2606, 0.3240**.

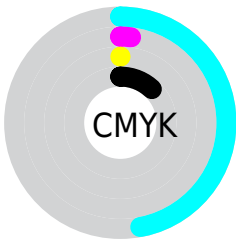
# Distribution



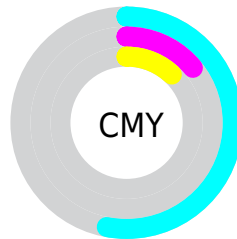
- Red (47%)
- Green (86%)
- Blue (88%)



- Red (47%)
- Yellow (67%)
- Blue (88%)



- Cyan (47%)
- Magenta (2%)
- Yellow (0%)
- Black (12%)



- Cyan (53%)
- Magenta (14%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.9668, 0.2494, 0.3224 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 59.9668, 0.2494, 0.3224 by changing the saturation by 10% instead.





 59.9668, 0.2494,  
0.3224


 59.9668, 0.2494,  
0.3224


424.4754, 0.2791,  
0.3263


 43.3919, 0.2426,  
0.3213


 104.7815, 0.2598,  
0.3239

 30.1927, 0.2341,  
0.3198


 133.7901, 0.2638,  
0.3245

 19.9849, 0.2233,  
0.3177


 167.7120, 0.2672,  
0.3249

 12.3841, 0.2093,  
0.3147

206.9316, 0.2702,  
0.3253

 7.0058, 0.1902,  
0.3099

251.8334, 0.2728,  
0.3256

 3.4657, 0.1629,  
0.3016

302.8017, 0.2752,

 1.3794, 0.1166,

0.3259

0.2868

360.2209, 0.2772,  
0.3261

0.2015, 0.0000,  
0.1639

0.0000, 0.0000,  
0.0000

59.9668, 0.2494,  
0.3224

59.9668, 0.2494,  
0.3224

58.0144, 0.2400,  
0.3208

62.3008, 0.2606,  
0.3240

56.4099, 0.2324,  
0.3192


65.0334, 0.2733,  
0.3254


55.1256, 0.2268,  
0.3176


68.1890, 0.2872,  
0.3268


54.1260, 0.2231,  
0.3160

71.7881, 0.3021,  
0.3282


 53.3656, 0.2210,  
0.3144

 75.8498, 0.3176,  
0.3294

 53.1538, 0.2206,  
0.3140

 80.3919, 0.3335,  
0.3305

 81.2797, 0.3345,  
0.3315

 81.8611, 0.3344,  
0.3326

 82.4461, 0.3342,  
0.3336

# Harmonies

## Analogous

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



59.9668, 0.2745, 0.3603



59.9668, 0.2494, 0.3224



59.9668, 0.2406, 0.2895

# Triad

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



59.9668, 0.2494, 0.3224



59.9668, 0.3109, 0.2771



59.9668, 0.3785, 0.3872

# Complementary

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



59.9668, 0.2494, 0.3224



31.5793, 0.4380, 0.3352

# 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.



59.9668, 0.3905, 0.3613



59.9668, 0.2494, 0.3224



59.9668, 0.3502, 0.2998

# Square

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



59.9668, 0.2494, 0.3224



59.9668, 0.2744, 0.2662



59.9668, 0.3800, 0.3298



59.9668, 0.3489, 0.3990

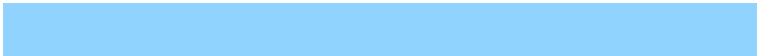


# Rectangle

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



59.9668, 0.2494, 0.3224



59.9668, 0.2446, 0.2748



59.9668, 0.3800, 0.3298



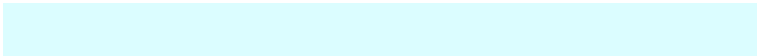
59.9668, 0.3848, 0.3797

# Sweetspot

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



59.9691, 0.2494, 0.3224



92.7705, 0.2913, 0.3272



58.6442, 0.3040, 0.4717



19.6414, 0.2881, 0.3269



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.



59.9691, 0.2494, 0.3224



77.9503, 0.2404, 0.3209



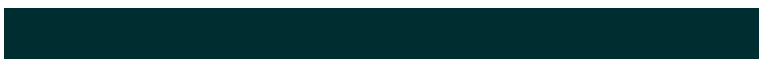
37.2976, 0.2365, 0.2516



15.4550, 0.2982, 0.3278



30.9906, 0.2206, 0.3142



2.1829, 0.2213, 0.3166



# Inverse Universe

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



34.1461, 0.3228, 0.2200



39.6837, 0.3251, 0.2014



47.8293, 0.4072, 0.3943



13.9238, 0.3145, 0.3070



12.0366, 0.3331, 0.1609

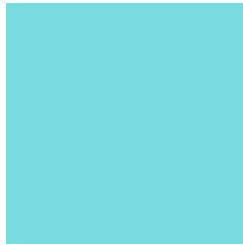


0.8378, 0.3311, 0.1597



# Previews

## White Background



This preview shows how the Yxy color 59.9668, 0.2494, 0.3224 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

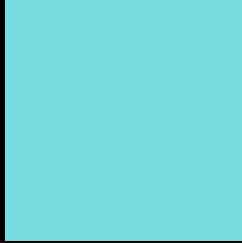
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.9668, 0.2494, 0.3224 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

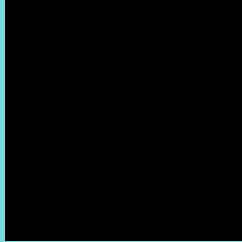
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.9668, 0.2494, 0.3224**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.9668, 0.2494, 0.3224.

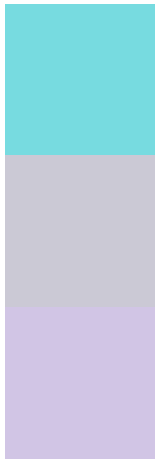


This preview shows how white text looks on a background with the Yxy color 59.9668, 0.2494, 0.3224.

# 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

59.9668, 0.2494, 0.3224

### Protanopia

59.2739, 0.3057, 0.3150

### Deuteranopia

59.1450, 0.2992, 0.2929



## Tritanopia

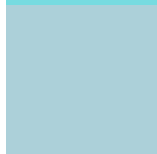
59.7614, 0.2450, 0.3061

# Trichromacy



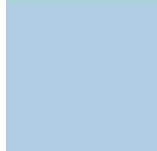
## Original Color

59.9668, 0.2494, 0.3224



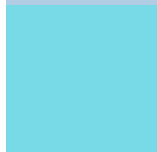
## Protanomaly

58.8922, 0.2812, 0.3179



## Deuteranomaly

58.4388, 0.2775, 0.3025



## Tritanomaly

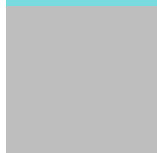
59.9773, 0.2467, 0.3123

# Monochromacy



## Original Color

59.9668, 0.2494, 0.3224



## Achromatopsia

51.4918, 0.3127, 0.3290



## Achromatomaly

53.9301, 0.2847, 0.3276

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.9668, 0.2494, 0.3224 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(119, 219, 224)` looks like.

```
.text, #text, p{  
    color:rgb(119, 219, 224)  
}
```

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(119, 219, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 219, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 59.9668, 0.2494, 0.3224 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(119, 219, 224) }
```

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

```
.border{ border-color:rgb(119, 219, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 219, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 219, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 219, 224);  
box-shadow:4px 4px 4px 4px rgb(119, 219,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.9668, 0.2494, 0.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 219, 224) }
```

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

```
.background{ background-color: rgb(119,  
219, 224) }
```

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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