

# Converting Colors

$Y_{xy}(59.1999, 0.2473, 0.3260)$

Have a look what the booklet for  
Yxy(59.1999, 0.2473, 0.3260)  
contains.

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# Color

**Yxy(59.2630, 0.2474, 0.3262)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FDBDD
RGB	111, 219, 221
RGB Percent	44%, 86%, 87%
CMY	0.5643, 0.1412, 0.1334
CMYK	0.50, 0.01, 0.00, 0.13
HSL	181°, 62%, 65%
HSV	181°, 50%, 87%
XYZ	44.9469, 59.2630, 77.4670
YIQ	186.9360, -65.0100, -22.2740

# Conversions

## Conversions Part 2

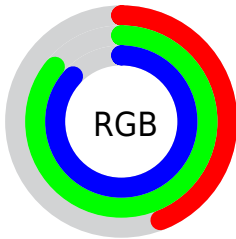
Format	Color
R <sub>Y</sub> B	111, 165, 221
Decimal	7330781
CIE Lab	81.44, -30.44, -10.55
CIE LCh	81, 32.215, 199.121
Yxy	59.2630, 0.2474, 0.3262
Android (android.graphics.Color)	4285520861 (0xFF6FDBDD)
YUV	186.9360, 16.7936, -66.5959
Hunter-Lab	76.9825, -30.5006, -5.7755

# Details

The Yxy color **59.2630, 0.2474, 0.3262** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.3551, 0.4517, 0.3317**, and the grayscale version is **49.6030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **29.8849, 0.2316, 0.3252** is the 20% darker color. If you saturate the color by 10%, you get **57.7937, 0.2388, 0.3256**, and if you desaturate by 10%, it is **61.0920, 0.2578, 0.3268**.

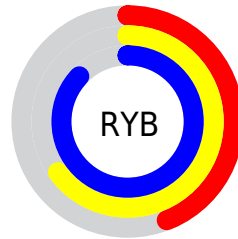
# Distribution



Red (44%)

Green (86%)

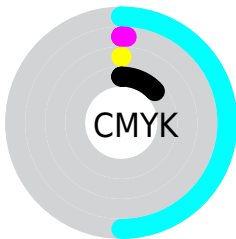
Blue (87%)



Red (44%)

Yellow (65%)

Blue (87%)

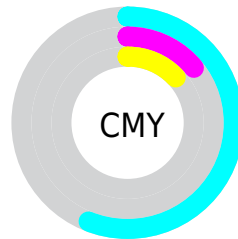


Cyan (50%)

Magenta (1%)

Yellow (0%)

Black (13%)



Cyan (56%)

Magenta (14%)


Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.2630, 0.2474, 0.3262 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 59.2630, 0.2474, 0.3262 by changing the saturation by 10% instead.




 59.2630, 0.2474,  
0.3262

 59.2630, 0.2474,  
0.3262

421.8759, 0.2781,  
0.3283


 42.8249, 0.2403,  
0.3255


 103.7598, 0.2581,  
0.3271

 29.7477, 0.2315,  
0.3245


 132.5873, 0.2623,  
0.3274

 19.6472, 0.2204,  
0.3231


 166.3133, 0.2658,  
0.3276

 12.1388, 0.2058,  
0.3209

205.3223, 0.2689,  
0.3278

 6.8383, 0.1859,  
0.3172

249.9987, 0.2716,  
0.3280

 3.3612, 0.1575,  
0.3103

300.7268, 0.2740,

 1.3231, 0.1042,

0.3281

0.2994

357.8911, 0.2762,  
0.3282

0.1590, 0.0000,  
0.1486

0.0000, 0.0000,  
0.0000

59.2630, 0.2474,  
0.3262

59.2630, 0.2474,  
0.3262

57.7937, 0.2388,  
0.3256

61.0920, 0.2578,  
0.3268

56.6508, 0.2322,  
0.3250


63.2978, 0.2698,  
0.3274


55.8060, 0.2275,  
0.3244


65.9045, 0.2833,  
0.3280


55.2233, 0.2246,  
0.3238


68.9322, 0.2978,  
0.3285


 54.8413, 0.2231,  
0.3232


 72.3999, 0.3132,  
0.3290

 54.8315, 0.2231,  
0.3232

 76.3250, 0.3290,  
0.3295

 78.6173, 0.3372,  
0.3299

 78.8306, 0.3371,  
0.3303

 79.0444, 0.3371,  
0.3307

# Harmonies

## Analogous

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



59.2630, 0.2756, 0.3668



59.2630, 0.2474, 0.3262



59.2630, 0.2361, 0.2900

# Triad

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



59.2630, 0.2474, 0.3262



59.2630, 0.3060, 0.2719



59.2630, 0.3854, 0.3884

# Complementary

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



59.2630, 0.2474, 0.3262



28.3551, 0.4517, 0.3317

# 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.



59.2630, 0.3958, 0.3595



59.2630, 0.2474, 0.3262



59.2630, 0.3483, 0.2947

# Square

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



59.2630, 0.2474, 0.3262



59.2630, 0.2682, 0.2619



59.2630, 0.3821, 0.3259



59.2630, 0.3553, 0.4035

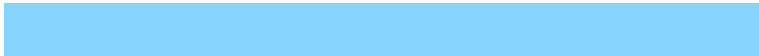


# Rectangle

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



59.2630, 0.2474, 0.3262



59.2630, 0.2390, 0.2732



59.2630, 0.3821, 0.3259



59.2630, 0.3914, 0.3798

# Sweetspot

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



59.2653, 0.2474, 0.3262



93.0108, 0.2898, 0.3282



56.2843, 0.3044, 0.4840



19.7217, 0.2868, 0.3281



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.



59.2653, 0.2474, 0.3262



79.8039, 0.2383, 0.3255



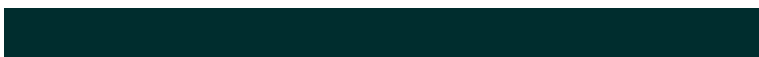
35.2361, 0.2325, 0.2488



14.7868, 0.2982, 0.3285



31.8757, 0.2231, 0.3232



2.0783, 0.2234, 0.3242



# Inverse Universe

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



31.8779, 0.3203, 0.2114



37.8050, 0.3218, 0.1913



44.4821, 0.4154, 0.3959



13.2706, 0.3141, 0.3064



11.8416, 0.3255, 0.1567

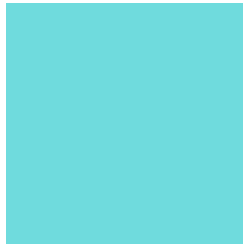


0.7685, 0.3247, 0.1562



# Previews

## White Background



This preview shows how the Yxy color 59.2630, 0.2474, 0.3262 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

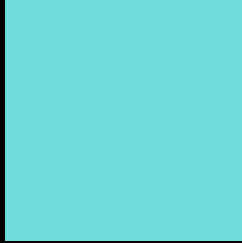
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 59.2630, 0.2474, 0.3262 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

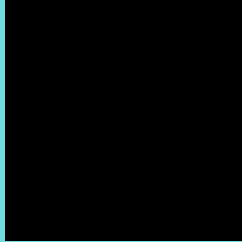
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 59.2630, 0.2474, 0.3262**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.2630, 0.2474, 0.3262.

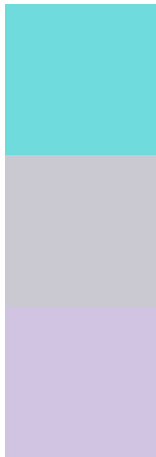


This preview shows how white text looks on a background with the Yxy color 59.2630, 0.2474, 0.3262.

# 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

59.2630, 0.2474, 0.3262

### Protanopia

58.4686, 0.3078, 0.3184

### Deuteranopia

58.5262, 0.3012, 0.2950



## Tritanopia

59.2792, 0.2429, 0.3072

# Trichromacy



## Original Color

59.2630, 0.2474, 0.3262



## Protanomaly

57.8648, 0.2816, 0.3215



## Deuteranomaly

57.4518, 0.2772, 0.3046



## Tritanomaly

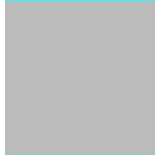
59.3774, 0.2446, 0.3147

# Monochromacy



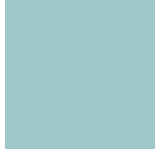
## Original Color

59.2630, 0.2474, 0.3262



## Achromatopsia

49.6933, 0.3127, 0.3290



## Achromatomaly

52.3413, 0.2830, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.2630, 0.2474, 0.3262 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(111, 219, 221)` looks like.

```
.text, #text, p{  
    color:rgb(111, 219, 221)  
}
```

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(111, 219, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 219, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 59.2630, 0.2474, 0.3262 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(111, 219, 221) }
```

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

```
.border{ border-color:rgb(111, 219, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 219, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 219, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 219, 221);  
box-shadow:4px 4px 4px 4px rgb(111, 219,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.2630, 0.2474, 0.3262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 219, 221) }
```

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

```
.background{ background-color: rgb(111,  
219, 221) }
```

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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