

# Converting Colors

$Yxy(58.6995, 0.2469, 0.3248)$

Have a look what the booklet for  
Yxy(58.6995, 0.2469, 0.3248)  
contains.

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# Color

**Yxy(58.7428, 0.2471, 0.3249)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FDADD
RGB	111, 218, 221
RGB Percent	44%, 85%, 87%
CMY	0.5647, 0.1451, 0.1334
CMYK	0.50, 0.01, 0.00, 0.13
HSL	182°, 62%, 65%
HSV	182°, 50%, 87%
XYZ	44.6763, 58.7428, 77.3836
YIQ	186.3490, -64.7350, -21.7510

# Conversions

## Conversions Part 2

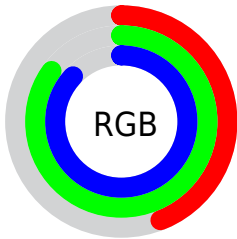
<b>Format</b>	<b>Color</b>
<b>RYB</b>	111, 165, 221
Decimal	7330525
CIELab	81.15, -29.99, -10.98
CIELCh	81, 31.936, 200.112
Yxy	58.7428, 0.2471, 0.3249
Android (android.graphics.Color)	4285520605 (0xFF6FDADD)
YUV	186.3490, 17.0829, -66.0811
Hunter-Lab	76.6439, -30.0776, -6.2115

# Details

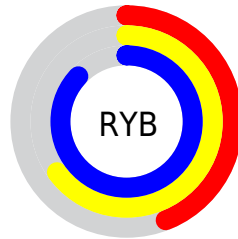
The Yxy color **58.7428, 0.2471, 0.3249** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.5494, 0.4513, 0.3329**, and the grayscale version is **49.2387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **29.5284, 0.2312, 0.3234** is the 20% darker color. If you saturate the color by 10%, you get **57.1739, 0.2384, 0.3240**, and if you desaturate by 10%, it is **60.6719, 0.2576, 0.3258**.

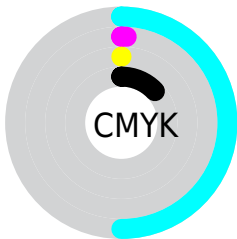
# Distribution



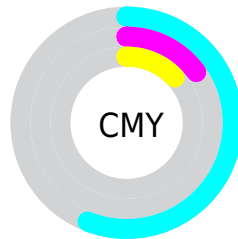
- Red (44%)
- Green (85%)
- Blue (87%)



- Red (44%)
- Yellow (65%)
- Blue (87%)



- Cyan (50%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)



- Cyan (56%)
- Magenta (15%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7428, 0.2471, 0.3249 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 58.7428, 0.2471, 0.3249 by changing the saturation by 10% instead.




 58.7428, 0.2471,  
0.3249


 58.7428, 0.2471,  
0.3249


419.9481, 0.2780,  
0.3276

 42.4061, 0.2400,  
0.3240


 103.0038, 0.2579,  
0.3260

 29.4194, 0.2311,  
0.3229


 131.6968, 0.2621,  
0.3264

 19.3983, 0.2199,  
0.3212


 165.2775, 0.2656,  
0.3267

 11.9585, 0.2051,  
0.3186

204.1301, 0.2687,  
0.3270

 6.7154, 0.1851,  
0.3144

248.6390, 0.2715,  
0.3272

 3.2848, 0.1565,  
0.3067

299.1888, 0.2739,

 1.2821, 0.1014,

0.3274

356.1637, 0.2760,  
0.3275

0.2947

0.1273, 0.0000,  
0.1232

0.0000, 0.0000,  
0.0000

58.7428, 0.2471,  
0.3249

58.7428, 0.2471,  
0.3249

57.1739, 0.2384,  
0.3240

60.6719, 0.2576,  
0.3258

55.9318, 0.2317,  
0.3231


62.9783, 0.2697,  
0.3267

54.9884, 0.2269,  
0.3222


65.6861, 0.2832,  
0.3275

54.3075, 0.2239,  
0.3213


68.8155, 0.2977,  
0.3283


 53.8271, 0.2224,  
0.3204

 72.3854, 0.3131,  
0.3290

 53.8170, 0.2223,  
0.3204

 76.4134, 0.3289,  
0.3297

 78.8316, 0.3371,  
0.3303

 79.1513, 0.3371,  
0.3309

 79.4721, 0.3370,  
0.3315

# Harmonies

## Analogous

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



58.7428, 0.2747, 0.3653



58.7428, 0.2471, 0.3249



58.7428, 0.2365, 0.2892

# Triad

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



58.7428, 0.2471, 0.3249



58.7428, 0.3075, 0.2728



58.7428, 0.3843, 0.3889

# Complementary

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



58.7428, 0.2471, 0.3249



28.5494, 0.4513, 0.3329

# 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.



58.7428, 0.3954, 0.3604



58.7428, 0.2471, 0.3249



58.7428, 0.3494, 0.2958

# Square

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



58.7428, 0.2471, 0.3249



58.7428, 0.2695, 0.2623



58.7428, 0.3825, 0.3270



58.7428, 0.3539, 0.4032

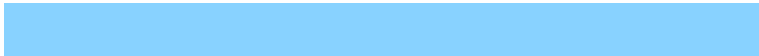


# Rectangle

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



58.7428, 0.2471, 0.3249



58.7428, 0.2397, 0.2729



58.7428, 0.3825, 0.3270



58.7428, 0.3905, 0.3805

# Sweetspot

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



58.7451, 0.2471, 0.3249



92.7927, 0.2898, 0.3279



56.2763, 0.3044, 0.4842



19.6684, 0.2867, 0.3277



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.



58.7451, 0.2471, 0.3249



78.9432, 0.2379, 0.3239



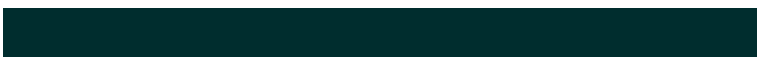
35.2081, 0.2324, 0.2487



14.7657, 0.2982, 0.3283



31.2943, 0.2224, 0.3205



2.0469, 0.2228, 0.3219



# Inverse Universe

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



31.8014, 0.3213, 0.2122



37.7181, 0.3231, 0.1923



44.4602, 0.4155, 0.3960



13.2684, 0.3142, 0.3066



11.7829, 0.3278, 0.1579

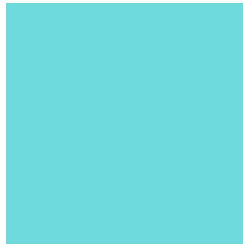


0.7653, 0.3266, 0.1573



# Previews

## White Background



This preview shows how the Yxy color 58.7428, 0.2471, 0.3249 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

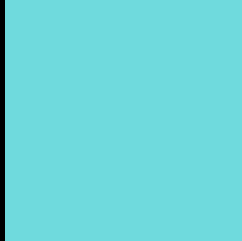
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.7428, 0.2471, 0.3249 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 58.7428, 0.2471, 0.3249**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.7428, 0.2471, 0.3249.



This preview shows how white text looks on a background with the Yxy color 58.7428, 0.2471, 0.3249.

# 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

58.7428, 0.2471, 0.3249

### Protanopia

57.8678, 0.3071, 0.3172

### Deuteranopia

57.9311, 0.3005, 0.2938



## Tritanopia

58.6971, 0.2422, 0.3059

# Trichromacy



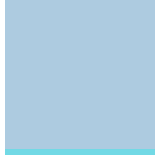
## Original Color

58.7428, 0.2471, 0.3249



## Protanomaly

57.2715, 0.2808, 0.3202



## Deuteranomaly

56.9779, 0.2771, 0.3034



## Tritanomaly

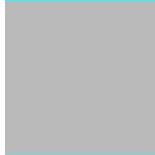
58.8603, 0.2443, 0.3134

# Monochromacy



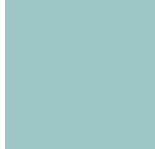
## Original Color

58.7428, 0.2471, 0.3249



## Achromatopsia

49.1021, 0.3127, 0.3290



## Achromatomaly

51.8826, 0.2829, 0.3276

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.7428, 0.2471, 0.3249 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, 218, 221)` looks like.

```
.text, #text, p{  
    color:rgb(111, 218, 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, 218, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 218, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 58.7428, 0.2471, 0.3249 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, 218, 221) }
```

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

```
.border{ border-color:rgb(111, 218, 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, 218, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 218, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 218, 221);  
box-shadow:4px 4px 4px 4px rgb(111, 218,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.7428, 0.2471, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 218, 221) }
```

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

```
.background{ background-color: rgb(111,  
218, 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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