

# Converting Colors

$Yxy(48.9413, 0.2292, 0.2842)$

Have a look what the booklet for  
Yxy(48.9413, 0.2292, 0.2842)  
contains.

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# Color

**Yxy(49.0002, 0.2294, 0.2845)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DC7E8
RGB	93, 199, 232
RGB Percent	36%, 78%, 91%
CMY	0.6349, 0.2196, 0.0902
CMYK	0.60, 0.14, 0.00, 0.09
HSL	194°, 75%, 64%
HSV	194°, 60%, 91%
XYZ	39.5102, 49.0002, 83.7223
YIQ	171.0680, -73.7690, -12.2090

# Conversions

## Conversions Part 2

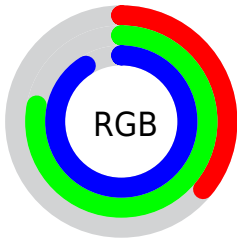
Format	Color
R <sub>Y</sub> B	93, 153, 232
Decimal	6146024
CIE Lab	75.45, -21.03, -25.55
CIE LCh	75, 33.093, 230.547
Yxy	49.0002, 0.2294, 0.2845
Android (android.graphics.Color)	4284336104 (0xFF5DC7E8)
YUV	171.0680, 30.0395, -68.4656
Hunter-Lab	70.0001, -21.7495, -21.9126

# Details

The Yxy color **49.0002, 0.2294, 0.2845** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **32.8980, 0.4743, 0.3651**, and the grayscale version is **40.6473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **23.3854, 0.2089, 0.2720** is the 20% darker color. If you saturate the color by 10%, you get **45.4766, 0.2198, 0.2757**, and if you desaturate by 10%, it is **52.9866, 0.2407, 0.2931**.

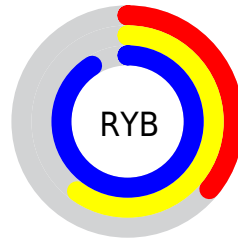
# Distribution



Red (36%)

Green (78%)

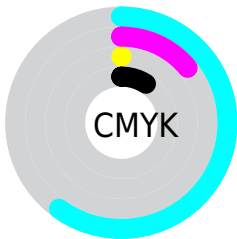
Blue (91%)



Red (36%)

Yellow (60%)

Blue (91%)

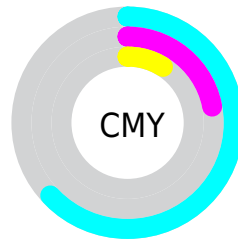


Cyan (60%)

Magenta (14%)

Yellow (0%)

Black (9%)



Cyan (63%)

Magenta (22%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0002, 0.2294, 0.2845 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 49.0002, 0.2294, 0.2845 by changing the saturation by 10% instead.




 49.0002, 0.2294,  
0.2845


 49.0002, 0.2294,  
0.2845


382.7431, 0.2692,  
0.3073

 34.6196, 0.2201,  
0.2787


 88.6918, 0.2434,  
0.2929


 23.3700, 0.2086,  
0.2713


 114.7715, 0.2488,  
0.2960

 14.8670, 0.1940,  
0.2615


 145.5198, 0.2534,  
0.2986

 8.7261, 0.1748,  
0.2480

 181.3211, 0.2574,  
0.3009

 4.5629, 0.1492,  
0.2285

222.5596, 0.2609,  
0.3028

 1.9932, 0.1137,  
0.1984

269.6199, 0.2640,

 0.6035, 0.0151,

0.3045

0.1512

322.8862, 0.2667,  
0.3060

0.0000, 0.0000,  
0.0000

49.0002, 0.2294,  
0.2845

49.0002, 0.2294,  
0.2845

45.4766, 0.2198,  
0.2757

52.9866, 0.2407,  
0.2931

42.3751, 0.2122,  
0.2668

57.4613, 0.2535,  
0.3013

39.6556, 0.2065,  
0.2579


62.4542, 0.2675,  
0.3091


37.2480, 0.2026,  
0.2492


67.9906, 0.2822,  
0.3163

37.2186, 0.2025,  
0.2491

74.0944, 0.2975,  
0.3230

 80.7876, 0.3129,  
0.3291

 87.9962, 0.3279,  
0.3345

 91.2488, 0.3274,  
0.3399

 94.6006, 0.3268,  
0.3452

# Harmonies

## Analogous

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



49.0002, 0.2405, 0.3235



49.0002, 0.2294, 0.2845



49.0002, 0.2383, 0.2613

# Triad

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



49.0002, 0.2294, 0.2845



49.0002, 0.3537, 0.2931



49.0002, 0.3570, 0.4109

# Complementary

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



49.0002, 0.2294, 0.2845



32.8980, 0.4743, 0.3651

# 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.



49.0002, 0.3909, 0.3948



49.0002, 0.2294, 0.2845



49.0002, 0.3900, 0.3270

# Square

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



49.0002, 0.2294, 0.2845



49.0002, 0.3074, 0.2679



49.0002, 0.4037, 0.3634



49.0002, 0.3127, 0.4022



# Rectangle

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



49.0002, 0.2294, 0.2845



49.0002, 0.2547, 0.2560



49.0002, 0.4037, 0.3634



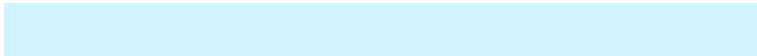
49.0002, 0.3701, 0.4079

# Sweetspot

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



49.0020, 0.2294, 0.2845



85.5464, 0.2849, 0.3176



61.5419, 0.2896, 0.4802



17.8578, 0.2805, 0.3155



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.



49.0020, 0.2294, 0.2845



55.3456, 0.2177, 0.2735



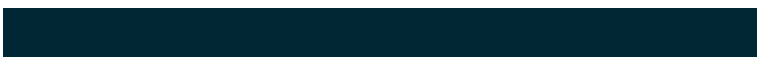
24.1606, 0.2071, 0.1847



15.7253, 0.2981, 0.3233



20.8649, 0.2029, 0.2505



1.6822, 0.2065, 0.2633



# Inverse Universe

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



29.1253, 0.3551, 0.2177



30.5391, 0.3671, 0.2026



56.9620, 0.4206, 0.4374



14.5536, 0.3174, 0.3113



11.3040, 0.3917, 0.1932

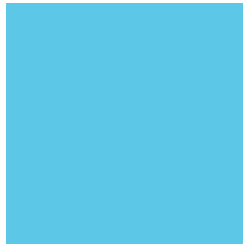


0.8495, 0.3792, 0.1863



# Previews

## White Background



This preview shows how the Yxy color 49.0002, 0.2294, 0.2845 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

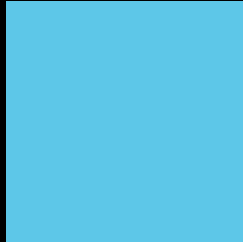
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.0002, 0.2294, 0.2845 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

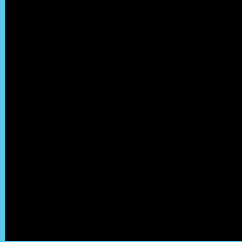
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.0002, 0.2294, 0.2845**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.0002, 0.2294, 0.2845.



This preview shows how white text looks on a background with the Yxy color 49.0002, 0.2294, 0.2845.

# 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

49.0002, 0.2294, 0.2845

### Protanopia

48.4345, 0.2801, 0.2820

### Deuteranopia

48.3340, 0.2694, 0.2627



## Tritanopia

48.8615, 0.2340, 0.3052

# Trichromacy



**Original Color**

49.0002, 0.2294, 0.2845

**Protanomaly**

47.9424, 0.2571, 0.2824

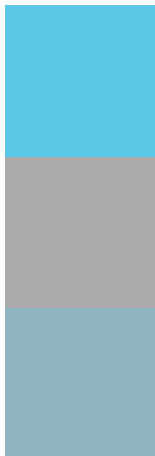
**Deuteranomaly**

48.0756, 0.2513, 0.2694

**Tritanomaly**

48.7601, 0.2322, 0.2972

# Monochromacy



**Original Color**

49.0002, 0.2294, 0.2845

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

42.7376, 0.2737, 0.3121

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.0002, 0.2294, 0.2845 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(93, 199, 232)` looks like.

```
.text, #text, p{  
    color:rgb(93, 199, 232)  
}
```

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(93, 199, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 199, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 49.0002, 0.2294, 0.2845 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(93, 199, 232) }
```

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

```
.border{ border-color:rgb(93, 199, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 199, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 199, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 199, 232);  
box-shadow:4px 4px 4px 4px rgb(93, 199,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.0002, 0.2294, 0.2845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 199, 232) }
```

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

```
.background{ background-color: rgb(93, 199,  
232) }
```

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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