

# Converting Colors

$Yxy(47.4512, 0.2391, 0.2901)$

Have a look what the booklet for  
Yxy(47.4512, 0.2391, 0.2901)  
contains.

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# Color

**Yxy(47.6091, 0.2391, 0.2909)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DC3DF
RGB	109, 195, 223
RGB Percent	43%, 76%, 87%
CMY	0.5728, 0.2352, 0.1256
CMYK	0.51, 0.13, 0.00, 0.13
HSL	195°, 64%, 65%
HSV	195°, 51%, 87%
XYZ	39.1314, 47.6091, 76.9209
YIQ	172.4780, -60.2440, -9.5240

# Conversions

## Conversions Part 2

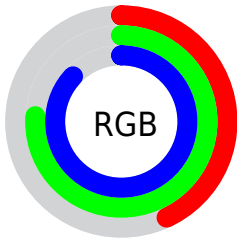
<b>Format</b>	<b>Color</b>
<b>RYB</b>	109, 158, 223
Decimal	7193567
CIELab	74.58, -18.46, -21.96
CIELCh	75, 28.685, 229.946
Yxy	47.6091, 0.2391, 0.2909
Android (android.graphics.Color)	4285383647 (0xFF6DC3DF)
YUV	172.4780, 24.9073, -55.6702
Hunter-Lab	68.9993, -19.5166, -17.7973

# Details

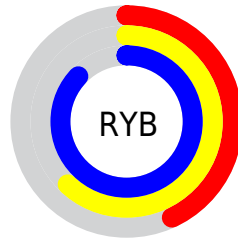
The Yxy color **47.6091, 0.2391, 0.2909** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **34.6466, 0.4401, 0.3621**, and the grayscale version is **41.3961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0563, 0.2633, 0.3256**, and **22.4577, 0.2198, 0.2785** is the 20% darker color. If you saturate the color by 10%, you get **43.9674, 0.2279, 0.2820**, and if you desaturate by 10%, it is **51.7026, 0.2518, 0.2994**.

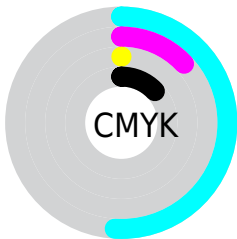
# Distribution



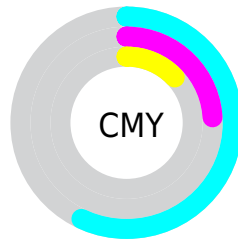
- Red (43%)
- Green (76%)
- Blue (87%)



- Red (43%)
- Yellow (62%)
- Blue (87%)



- Cyan (51%)
- Magenta (13%)
- Yellow (0%)
- Black (13%)




- Cyan (57%)
- Magenta (24%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.6091, 0.2391, 0.2909 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 47.6091, 0.2391, 0.2909 by changing the saturation by 10% instead.





 47.6091, 0.2391,  
0.2909

 47.6091, 0.2391,  
0.2909


377.2406, 0.2746,  
0.3105

 33.5174, 0.2307,  
0.2859


 86.6221, 0.2517,  
0.2981

 22.5231, 0.2201,  
0.2794


 112.3122, 0.2565,  
0.3008

 14.2418, 0.2066,  
0.2708


 142.6373, 0.2606,  
0.3031

 8.2890, 0.1886,  
0.2588

177.9817, 0.2642,  
0.3050

 4.2804, 0.1639,  
0.2410

218.7298, 0.2673,  
0.3067

 1.8316, 0.1286,  
0.2128

265.2661, 0.2701,

 0.5068, 0.0100,

0.3081

0.1626

317.9749, 0.2725,  
0.3094

0.0000, 0.0000,  
0.0000

47.6091, 0.2391,  
0.2909

47.6091, 0.2391,  
0.2909

43.9674, 0.2279,  
0.2820

51.7026, 0.2518,  
0.2994

40.7435, 0.2184,  
0.2729

56.2682, 0.2657,  
0.3075

37.9065, 0.2109,  
0.2637

61.3313, 0.2804,  
0.3151

35.4176, 0.2054,  
0.2546

66.9136, 0.2956,  
0.3220

33.4469, 0.2018,  
0.2466

73.0353, 0.3110,  
0.3283

79.7156, 0.3263,  
0.3340

85.0236, 0.3343,  
0.3393

88.1717, 0.3336,  
0.3446

91.4166, 0.3329,  
0.3499

# Harmonies

## Analogous

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



47.6091, 0.2495, 0.3254



47.6091, 0.2391, 0.2909



47.6091, 0.2466, 0.2697

# Triad

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



47.6091, 0.2391, 0.2909



47.6091, 0.3479, 0.2968



47.6091, 0.3527, 0.4004

# Complementary

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



47.6091, 0.2391, 0.2909



34.6466, 0.4401, 0.3621

# 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.



47.6091, 0.3819, 0.3867



47.6091, 0.2391, 0.2909



47.6091, 0.3798, 0.3270

# Square

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



47.6091, 0.2391, 0.2909



47.6091, 0.3075, 0.2745



47.6091, 0.3923, 0.3593



47.6091, 0.3139, 0.3928



# Rectangle

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



47.6091, 0.2391, 0.2909



47.6091, 0.2611, 0.2645



47.6091, 0.3923, 0.3593



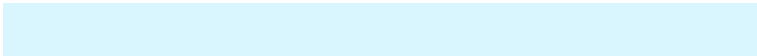
47.6091, 0.3640, 0.3979

# Sweetspot

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



47.6109, 0.2391, 0.2909



87.6157, 0.2895, 0.3193



57.7736, 0.2916, 0.4543



18.4095, 0.2863, 0.3178



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.



47.6109, 0.2391, 0.2909



59.4547, 0.2276, 0.2817



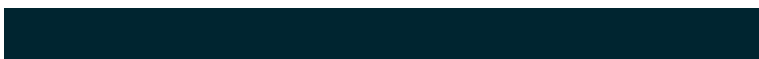
27.1378, 0.2231, 0.2095



14.9733, 0.2982, 0.3231



19.8570, 0.2022, 0.2480



1.5138, 0.2061, 0.2619



# Inverse Universe

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



30.5474, 0.3481, 0.2325



35.2720, 0.3578, 0.2166



54.7339, 0.4038, 0.4238



13.8752, 0.3175, 0.3115



10.9126, 0.3943, 0.1946



0.7703, 0.3805, 0.1870



# Previews

## White Background



This preview shows how the Yxy color 47.6091, 0.2391, 0.2909 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

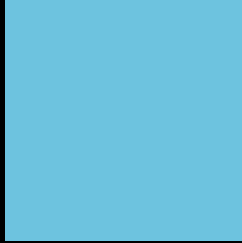
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.6091, 0.2391, 0.2909 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 47.6091, 0.2391, 0.2909**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.6091, 0.2391, 0.2909.

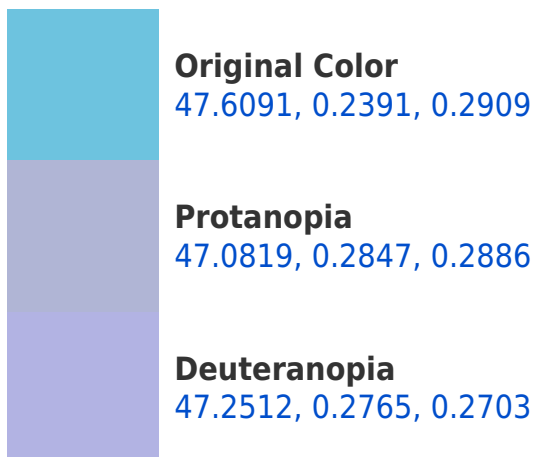


This preview shows how white text looks on a background with the Yxy color 47.6091, 0.2391, 0.2909.

# 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

47.7399, 0.2428, 0.3066

# Trichromacy



**Original Color**

47.6091, 0.2391, 0.2909

**Protanomaly**

46.8030, 0.2652, 0.2885

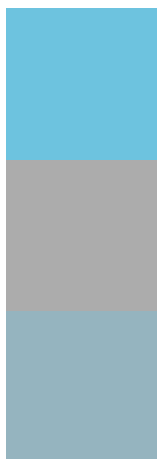
**Deuteranomaly**

46.9612, 0.2603, 0.2765

**Tritanomaly**

47.5538, 0.2410, 0.2999

# Monochromacy



**Original Color**

47.6091, 0.2391, 0.2909

**Achromatopsia**

41.2543, 0.3127, 0.3290

**Achromatomaly**

42.7937, 0.2794, 0.3136

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.6091, 0.2391, 0.2909 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(109, 195, 223)` looks like.

```
.text, #text, p{  
    color:rgb(109, 195, 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(109, 195, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 195, 223) }
```

## Border

The CSS property to change the border of an element to Yxy 47.6091, 0.2391, 0.2909 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(109, 195, 223) }
```

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

```
.border{ border-color:rgb(109, 195, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 195, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 195, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 195, 223);  
box-shadow:4px 4px 4px 4px rgb(109, 195,  
223) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.6091, 0.2391, 0.2909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 195, 223) }
```

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

```
.background{ background-color: rgb(109,  
195, 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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