

# Converting Colors

$Yxy(47.1689, 0.2403, 0.2907)$

Have a look what the booklet for  
Yxy(47.1689, 0.2403, 0.2907)  
contains.

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# Color

**Yxy(47.2370, 0.2403, 0.2908)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6FC2DE
RGB	111, 194, 222
RGB Percent	44%, 76%, 87%
CMY	0.5646, 0.2392, 0.1294
CMYK	0.50, 0.13, 0.00, 0.13
HSL	195°, 63%, 65%
HSV	195°, 50%, 87%
XYZ	39.0339, 47.2370, 76.1672
YIQ	172.3750, -58.4560, -8.8880

# Conversions

## Conversions Part 2

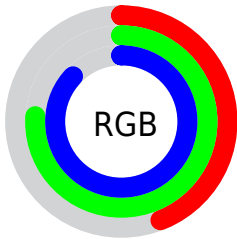
Format	Color
<a href="#">RYB</a>	<a href="#">111, 158, 222</a>
Decimal	<a href="#">7324382</a>
CIELab	<a href="#">74.34, -17.75, -21.78</a>
CIElCh	<a href="#">74, 28.096, 230.825</a>
Yxy	<a href="#">47.2370, 0.2403, 0.2908</a>
Android (android.graphics.Color)	<a href="#">4285514462 (0xFF6FC2DE)</a>
YUV	<a href="#">172.3750, 24.4651, -53.8259</a>
Hunter-Lab	<a href="#">68.7292, -18.8992, -17.5961</a>

# Details

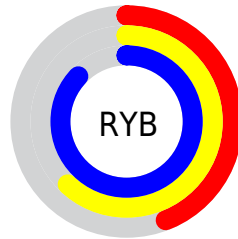
The Yxy color **47.2370, 0.2403, 0.2908** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **35.1503, 0.4354, 0.3624**, and the grayscale version is **41.3542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6494, 0.2641, 0.3245**, and **22.2243, 0.2214, 0.2785** is the 20% darker color. If you saturate the color by 10%, you get **43.5263, 0.2288, 0.2817**, and if you desaturate by 10%, it is **51.4031, 0.2532, 0.2996**.

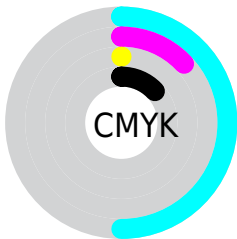
# Distribution



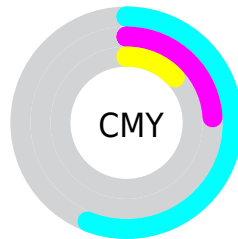
- Red (44%)
- Green (76%)
- Blue (87%)



- Red (44%)
- Yellow (62%)
- Blue (87%)



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




- Cyan (56%)
- Magenta (24%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2370, 0.2403, 0.2908 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 47.2370, 0.2403, 0.2908 by changing the saturation by 10% instead.



 47.2370, 0.2403,  
0.2908

 47.2370, 0.2403,  
0.2908


375.7597, 0.2753,  
0.3105


 33.2231, 0.2320,  
0.2858


 86.0673, 0.2527,  
0.2980

 22.2974, 0.2215,  
0.2793


 111.6524, 0.2575,  
0.3007

 14.0756, 0.2081,  
0.2707


 141.8634, 0.2616,  
0.3030

 8.1732, 0.1903,  
0.2586

177.0846, 0.2651,  
0.3049

 4.2060, 0.1657,  
0.2408

217.7004, 0.2681,  
0.3066

 1.7895, 0.1304,  
0.2124

264.0953, 0.2708,

 0.4806, 0.0078,

0.3081

0.1599

316.6536, 0.2732,  
0.3093

0.0000, 0.0000,  
0.0000

47.2370, 0.2403,  
0.2908

47.2370, 0.2403,  
0.2908

43.5263, 0.2288,  
0.2817

51.4031, 0.2532,  
0.2996

40.2376, 0.2190,  
0.2723

56.0444, 0.2673,  
0.3078

37.3409, 0.2112,  
0.2628

61.1859, 0.2821,  
0.3155

34.7983, 0.2053,  
0.2534

66.8489, 0.2973,  
0.3226

32.5444, 0.2011,  
0.2441

73.0536, 0.3127,  
0.3290

■ 32.5420, 0.2011,  
0.2441

■ 79.8186, 0.3280,  
0.3348

■ 84.9304, 0.3350,  
0.3402

■ 88.1561, 0.3342,  
0.3457

■ 91.4834, 0.3335,  
0.3511

# Harmonies

## Analogous

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



47.2370, 0.2500, 0.3244



47.2370, 0.2403, 0.2908



47.2370, 0.2482, 0.2704

# Triad

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



47.2370, 0.2403, 0.2908



47.2370, 0.3484, 0.2982



47.2370, 0.3510, 0.3992

# Complementary

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



47.2370, 0.2403, 0.2908



35.1503, 0.4354, 0.3624

# 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.



47.2370, 0.3800, 0.3864



47.2370, 0.2403, 0.2908



47.2370, 0.3792, 0.3280

# Square

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



47.2370, 0.2403, 0.2908



47.2370, 0.3088, 0.2759



47.2370, 0.3909, 0.3598



47.2370, 0.3127, 0.3911



# Rectangle

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



47.2370, 0.2403, 0.2908



47.2370, 0.2628, 0.2655



47.2370, 0.3909, 0.3598



47.2370, 0.3622, 0.3970

# Sweetspot

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



47.2388, 0.2403, 0.2908



87.4497, 0.2895, 0.3190



57.4813, 0.2910, 0.4481



18.3693, 0.2863, 0.3175



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.



47.2388, 0.2403, 0.2908



59.3601, 0.2283, 0.2812



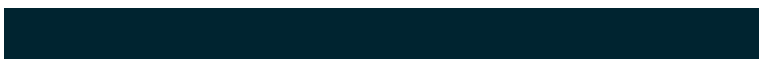
27.0533, 0.2247, 0.2100



14.9561, 0.2982, 0.3229



19.5150, 0.2015, 0.2454



1.4926, 0.2055, 0.2598



# Inverse Universe

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



30.7989, 0.3479, 0.2352



35.7412, 0.3580, 0.2190



55.3758, 0.4005, 0.4237



13.8735, 0.3176, 0.3116



10.8781, 0.3968, 0.1959

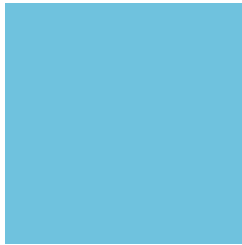


0.7681, 0.3826, 0.1881



# Previews

## White Background



This preview shows how the Yxy color 47.2370, 0.2403, 0.2908 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

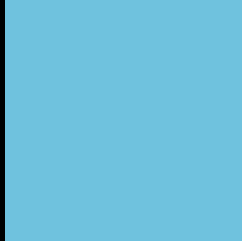
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.2370, 0.2403, 0.2908 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

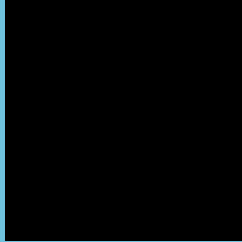
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.2370, 0.2403, 0.2908**

## Background



This preview shows how black text looks on a background with the Yxy color 47.2370, 0.2403, 0.2908.



This preview shows how white text looks on a background with the Yxy color 47.2370, 0.2403, 0.2908.

# 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

47.2370, 0.2403, 0.2908

### Protanopia

46.6767, 0.2846, 0.2874

### Deuteranopia

46.6241, 0.2770, 0.2711



## Tritanopia

47.4215, 0.2444, 0.3066

# Trichromacy



**Original Color**

47.2370, 0.2403, 0.2908

**Protanomaly**

46.3312, 0.2657, 0.2883

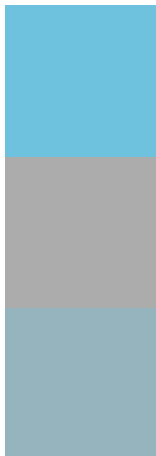
**Deuteranomaly**

46.4351, 0.2613, 0.2775

**Tritanomaly**

47.2393, 0.2426, 0.2999

# Monochromacy



**Original Color**

47.2370, 0.2403, 0.2908

**Achromatopsia**

41.2543, 0.3127, 0.3290

**Achromatomaly**

42.8443, 0.2808, 0.3150

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.2370, 0.2403, 0.2908 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, 194, 222)` looks like.

```
.text, #text, p{  
    color:rgb(111, 194, 222)  
}
```

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, 194, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 194, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 47.2370, 0.2403, 0.2908 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, 194, 222) }
```

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

```
.border{ border-color:rgb(111, 194, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 194, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 194, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 194, 222);  
box-shadow:4px 4px 4px 4px rgb(111, 194,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.2370, 0.2403, 0.2908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 194, 222) }
```

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

```
.background{ background-color: rgb(111,  
194, 222) }
```

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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