

# Converting Colors

$Yxy(47.0879, 0.2334, 0.2891)$

Have a look what the booklet for  
Yxy(47.0879, 0.2334, 0.2891)  
contains.

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# Color

**Yxy(46.9534, 0.2333, 0.2891)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61C3E0
RGB	97, 195, 224
RGB Percent	38%, 76%, 88%
CMY	0.6199, 0.2352, 0.1217
CMYK	0.57, 0.13, 0.00, 0.12
HSL	194°, 67%, 63%
HSV	194°, 57%, 88%
XYZ	37.8908, 46.9534, 77.5681
YIQ	169.0040, -67.7170, -11.7570

# Conversions

## Conversions Part 2

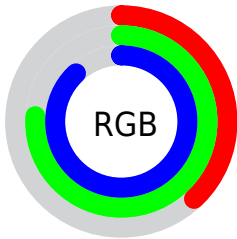
Format	Color
<a href="#">RYB</a>	<a href="#">97, 152, 224</a>
Decimal	<a href="#">6407136</a>
CIELab	<a href="#">74.16, -20.63, -23.17</a>
CIElCh	<a href="#">74, 31.028, 228.323</a>
Yxy	<a href="#">46.9534, 0.2333, 0.2891</a>
Android (android.graphics.Color)	<a href="#">4284597216 (0xFF61C3E0)</a>
YUV	<a href="#">169.0040, 27.1130, -63.1475</a>
Hunter-Lab	<a href="#">68.5226, -21.2096, -19.1510</a>

# Details

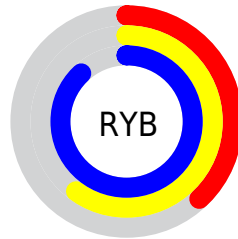
The Yxy color **46.9534, 0.2333, 0.2891** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **31.5995, 0.4625, 0.3624**, and the grayscale version is **39.5592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0089, 0.2587, 0.3255**, and **22.0849, 0.2127, 0.2760** is the 20% darker color. If you saturate the color by 10%, you get **43.6453, 0.2233, 0.2808**, and if you desaturate by 10%, it is **50.6903, 0.2450, 0.2972**.

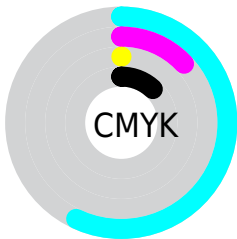
# Distribution



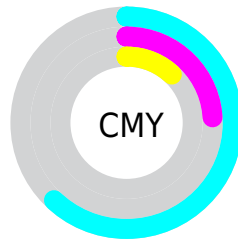
- Red (38%)
- Green (76%)
- Blue (88%)



- Red (38%)
- Yellow (60%)
- Blue (88%)



- Cyan (57%)
- Magenta (13%)
- Yellow (0%)
- Black (12%)




- Cyan (62%)
- Magenta (24%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.9534, 0.2333, 0.2891 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 46.9534, 0.2333, 0.2891 by changing the saturation by 10% instead.




 46.9534, 0.2333,  
0.2891

 46.9534, 0.2333,  
0.2891


374.6285, 0.2716,  
0.3098

 32.9988, 0.2242,  
0.2838


 85.6441, 0.2469,  
0.2967

 22.1255, 0.2129,  
0.2769


 111.1489, 0.2521,  
0.2996

 13.9492, 0.1984,  
0.2677

 141.2727, 0.2565,  
0.3020

 8.0853, 0.1793,  
0.2549

 176.3997, 0.2603,  
0.3040

 4.1496, 0.1532,  
0.2359

216.9144, 0.2637,  
0.3058

 1.7576, 0.1166,  
0.2059

263.2012, 0.2666,

 0.4605, 0.0000,

0.3073

0.1482

315.6444, 0.2693,  
0.3086

0.0000, 0.0000,  
0.0000

46.9534, 0.2333,  
0.2891

46.9534, 0.2333,  
0.2891

43.6453, 0.2233,  
0.2808

50.6903, 0.2450,  
0.2972

40.7301, 0.2152,  
0.2723

54.8783, 0.2581,  
0.3049

38.1734, 0.2090,  
0.2638

59.5437, 0.2722,  
0.3122

35.9294, 0.2047,  
0.2555

64.7093, 0.2871,  
0.3190

35.2363, 0.2035,  
0.2527

70.3963, 0.3024,  
0.3252

■ 76.6244, 0.3178,  
0.3308

■ 83.4122, 0.3331,  
0.3358

■ 86.5509, 0.3333,  
0.3408

■ 89.5308, 0.3327,  
0.3458

# Harmonies

## Analogous

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



46.9534, 0.2454, 0.3271



46.9534, 0.2333, 0.2891



46.9534, 0.2404, 0.2656

# Triad

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



46.9534, 0.2333, 0.2891



46.9534, 0.3486, 0.2926



46.9534, 0.3579, 0.4064

# Complementary

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



46.9534, 0.2333, 0.2891



31.5995, 0.4625, 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.



46.9534, 0.3889, 0.3900



46.9534, 0.2333, 0.2891



46.9534, 0.3842, 0.3247

# Square

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



46.9534, 0.2333, 0.2891



46.9534, 0.3045, 0.2693



46.9534, 0.3992, 0.3596



46.9534, 0.3161, 0.3999



# Rectangle

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



46.9534, 0.2333, 0.2891



46.9534, 0.2553, 0.2595



46.9534, 0.3992, 0.3596



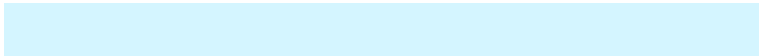
46.9534, 0.3700, 0.4031

# Sweetspot

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



46.9551, 0.2333, 0.2891



86.5414, 0.2865, 0.3187



57.3024, 0.2913, 0.4737



18.2125, 0.2834, 0.3174



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.



46.9551, 0.2333, 0.2891



57.8378, 0.2217, 0.2793



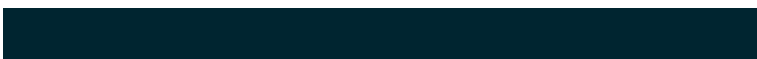
24.6737, 0.2135, 0.1969



15.0147, 0.2982, 0.3235



20.6962, 0.2039, 0.2540



1.5657, 0.2075, 0.2669



# Inverse Universe

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



28.3212, 0.3506, 0.2214



32.1651, 0.3612, 0.2055



52.6629, 0.4159, 0.4306



13.8794, 0.3172, 0.3111



10.9973, 0.3883, 0.1912

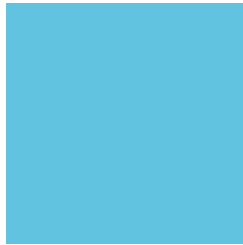


0.7755, 0.3758, 0.1844



# Previews

## White Background



This preview shows how the Yxy color 46.9534, 0.2333, 0.2891 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

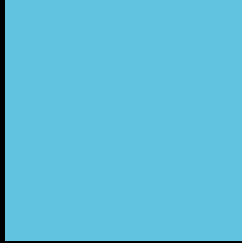
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.9534, 0.2333, 0.2891 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

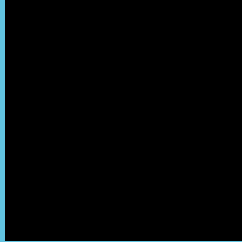
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.9534, 0.2333, 0.2891**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.9534, 0.2333, 0.2891.



This preview shows how white text looks on a background with the Yxy color 46.9534, 0.2333, 0.2891.

# 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

46.9534, 0.2333, 0.2891

### Protanopia

46.6115, 0.2832, 0.2861

### Deuteranopia

46.5562, 0.2735, 0.2675



## Tritanopia

47.0119, 0.2371, 0.3062

# Trichromacy



**Original Color**

46.9534, 0.2333, 0.2891

**Protanomaly**

45.9629, 0.2611, 0.2855

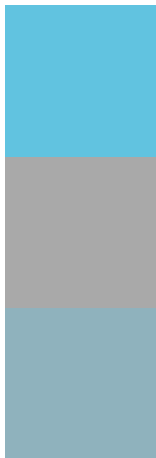
**Deuteranomaly**

46.0301, 0.2556, 0.2734

**Tritanomaly**

46.8693, 0.2357, 0.2995

# Monochromacy



**Original Color**

46.9534, 0.2333, 0.2891

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

41.3546, 0.2760, 0.3133

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.9534, 0.2333, 0.2891 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(97, 195, 224)` looks like.

```
.text, #text, p{  
    color:rgb(97, 195, 224)  
}
```

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(97, 195, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 195, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 46.9534, 0.2333, 0.2891 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(97, 195, 224) }
```

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

```
.border{ border-color:rgb(97, 195, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 195, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 195, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 195, 224);  
box-shadow:4px 4px 4px 4px rgb(97, 195,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.9534, 0.2333, 0.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 195, 224) }
```

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

```
.background{ background-color: rgb(97, 195,  
224) }
```

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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