

# Converting Colors

$Yxy(47.4019, 0.2211, 0.2774)$

Have a look what the booklet for  
Yxy(47.4019, 0.2211, 0.2774)  
contains.

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# Color

**Yxy(47.3865, 0.2211, 0.2772)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4AC5EB
RGB	74, 197, 235
RGB Percent	29%, 77%, 92%
CMY	0.7092, 0.2275, 0.0784
CMYK	0.68, 0.16, 0.00, 0.08
HSL	194°, 80%, 61%
HSV	194°, 68%, 92%
XYZ	37.7964, 47.3865, 85.7641
YIQ	164.5550, -85.5060, -14.2580

# Conversions

## Conversions Part 2

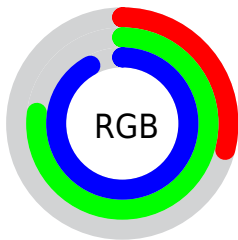
Format	Color
R <sub>Y</sub> B	74, 144, 235
Decimal	4900331
CIE Lab	74.44, -22.13, -28.78
CIE LCh	74, 36.304, 232.444
Yxy	47.3865, 0.2211, 0.2772
Android (android.graphics.Color)	4283090411 (0xFF4AC5EB)
YUV	164.5550, 34.7294, -79.4167
Hunter-Lab	68.8379, -22.4583, -25.6821

# Details

The Yxy color **47.3865, 0.2211, 0.2772** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **29.7930, 0.5089, 0.3669**, and the grayscale version is **37.2859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6791, 0.2518, 0.3277**, and **22.8996, 0.2065, 0.2633** is the 20% darker color. If you saturate the color by 10%, you get **44.1440, 0.2132, 0.2684**, and if you desaturate by 10%, it is **51.0739, 0.2309, 0.2859**.

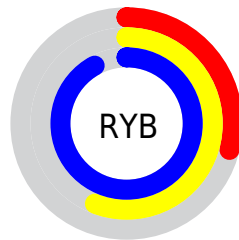
# Distribution



Red (29%)

Green (77%)

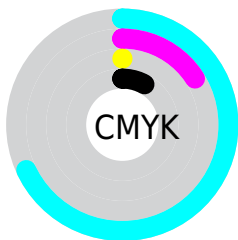
Blue (92%)



Red (29%)

Yellow (56%)

Blue (92%)

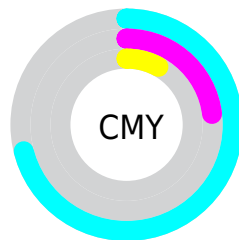


Cyan (68%)

Magenta (16%)

Yellow (0%)

Black (8%)



Cyan (71%)

Magenta (23%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3865, 0.2211, 0.2772 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 47.3865, 0.2211, 0.2772 by changing the saturation by 10% instead.





 47.3865, 0.2211,  
0.2772


 47.3865, 0.2211,  
0.2772


376.3552, 0.2648,  
0.3038


 33.3413, 0.2109,  
0.2705


 86.2903, 0.2364,  
0.2869

 22.3880, 0.1984,  
0.2619


 111.9176, 0.2424,  
0.2906

 14.1423, 0.1825,  
0.2505


 142.1745, 0.2474,  
0.2937

 8.2197, 0.1618,  
0.2350

 177.4452, 0.2518,  
0.2963

 4.2359, 0.1345,  
0.2126

218.1143, 0.2557,  
0.2986

 1.8064, 0.0977,  
0.1789

264.5660, 0.2591,

 0.4911, 0.0000,

0.3005

0.1209

317.1849, 0.2621,  
0.3023

■ 0.0000, 0.0000,  
0.0000

■ 47.3865, 0.2211,  
0.2772

■ 47.3865, 0.2211,  
0.2772

■ 44.1440, 0.2132,  
0.2684

■ 51.0739, 0.2309,  
0.2859

■ 41.2992, 0.2073,  
0.2595

■ 55.2368, 0.2425,  
0.2944

■ 38.7937, 0.2032,  
0.2508

■ 59.9084, 0.2554,  
0.3026

■ 38.4212, 0.2026,  
0.2495

■ 65.1171, 0.2695,  
0.3103

■ 70.8889, 0.2844,  
0.3174

■ 77.2479, 0.2997,  
0.3239

■ 84.2168, 0.3151,  
0.3299

■ 90.4300, 0.3256,  
0.3353

■ 93.7780, 0.3251,  
0.3407

# Harmonies

## Analogous

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



47.3865, 0.2317, 0.3194



47.3865, 0.2211, 0.2772



47.3865, 0.2321, 0.2534

# Triad

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



47.3865, 0.2211, 0.2772



47.3865, 0.3611, 0.2915



47.3865, 0.3584, 0.4204

# Complementary

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



47.3865, 0.2211, 0.2772



29.7930, 0.5089, 0.3669

# 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.



47.3865, 0.3973, 0.4030



47.3865, 0.2211, 0.2772



47.3865, 0.4004, 0.3288

# Square

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



47.3865, 0.2211, 0.2772



47.3865, 0.3099, 0.2633



47.3865, 0.4136, 0.3687



47.3865, 0.3091, 0.4093



# Rectangle

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



47.3865, 0.2211, 0.2772



47.3865, 0.2508, 0.2486



47.3865, 0.4136, 0.3687



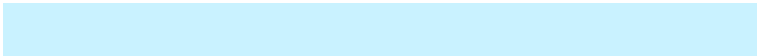
47.3865, 0.3732, 0.4173

# Sweetspot

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



47.3882, 0.2211, 0.2772



83.4064, 0.2804, 0.3156



62.0522, 0.2886, 0.5051



17.4361, 0.2762, 0.3136



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.



47.3882, 0.2211, 0.2772



51.7309, 0.2106, 0.2649



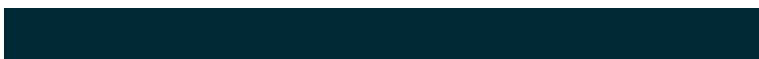
20.1977, 0.1926, 0.1608



16.4831, 0.2981, 0.3233



21.5855, 0.2030, 0.2509



1.8404, 0.2064, 0.2630



# Inverse Universe

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



26.6152, 0.3631, 0.2065



27.6412, 0.3765, 0.1952



55.9152, 0.4360, 0.4483



15.2493, 0.3174, 0.3112



11.6719, 0.3914, 0.1930

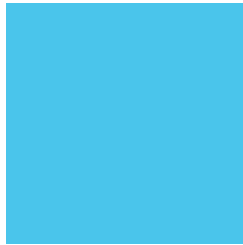


0.9312, 0.3795, 0.1865



# Previews

## White Background



This preview shows how the Yxy color 47.3865, 0.2211, 0.2772 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

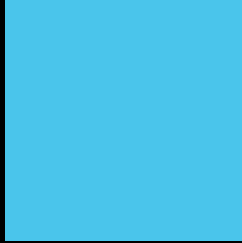
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.3865, 0.2211, 0.2772 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

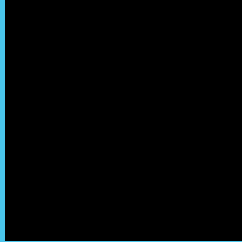
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.3865, 0.2211, 0.2772**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.3865, 0.2211, 0.2772.



This preview shows how white text looks on a background with the Yxy color 47.3865, 0.2211, 0.2772.

# 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

47.3865, 0.2211, 0.2772

### Protanopia

46.7409, 0.2748, 0.2753

### Deuteranopia

46.7970, 0.2617, 0.2560



## Tritanopia

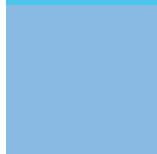
47.3232, 0.2269, 0.3060

# Trichromacy



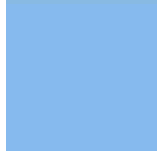
## Original Color

47.3865, 0.2211, 0.2772



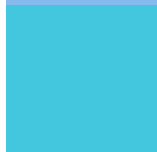
## Protanomaly

45.8981, 0.2492, 0.2751



## Deuteranomaly

46.3592, 0.2423, 0.2623



## Tritanomaly

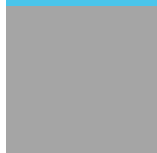
47.3679, 0.2247, 0.2952

# Monochromacy



## Original Color

47.3865, 0.2211, 0.2772



## Achromatopsia

37.6262, 0.3127, 0.3290



## Achromatomaly

40.0675, 0.2672, 0.3101

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.3865, 0.2211, 0.2772 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(74, 197, 235)` looks like.

```
.text, #text, p{  
    color:rgb(74, 197, 235)  
}
```

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(74, 197, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 197, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 47.3865, 0.2211, 0.2772 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(74, 197, 235) }
```

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

```
.border{ border-color:rgb(74, 197, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 197, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 197, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 197, 235);  
box-shadow:4px 4px 4px 4px rgb(74, 197,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.3865, 0.2211, 0.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 197, 235) }
```

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

```
.background{ background-color: rgb(74, 197,  
235) }
```

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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