

Converting Colors

$Y_{xy}(46.9170, 0.2212, 0.2932)$

Have a look what the booklet for
Yxy(46.9170, 0.2212, 0.2932)
contains.

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Color

Yxy(47.0409, 0.2213, 0.2936)

Conversions

Conversions Part 1

Format	Color
Hex	37C7E0
RGB	55, 199, 224
RGB Percent	22%, 78%, 88%
CMY	0.7838, 0.2196, 0.1216
CMYK	0.75, 0.11, 0.00, 0.12
HSL	189°, 73%, 55%
HSV	189°, 75%, 88%
XYZ	35.4569, 47.0409, 77.7232
YIQ	158.7940, -93.8490, -22.7530

Conversions

Conversions Part 2

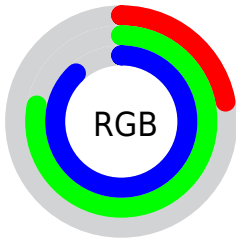
Format	Color
RYB	55, 133, 224
Decimal	3655648
CIELab	74.22, -28.93, -23.20
CIELCh	74, 37.079, 218.728
Yxy	47.0409, 0.2213, 0.2936
Android (android.graphics.Color)	4281845728 (0xFF37C7E0)
YUV	158.7940, 32.1466, -91.0273
Hunter-Lab	68.5864, -27.7475, -19.1780

Details

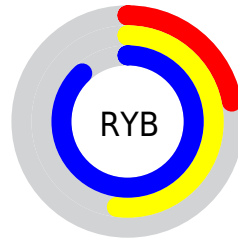
The Yxy color **47.0409, 0.2213, 0.2936** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light washed cyan. A complement of this color would be **21.8776, 0.5513, 0.3516**, and the grayscale version is **34.4716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2520, 0.2471, 0.3288**, and **23.1154, 0.2121, 0.2837** is the 20% darker color. If you saturate the color by 10%, you get **45.0367, 0.2160, 0.2883**, and if you desaturate by 10%, it is **49.3688, 0.2286, 0.2989**.

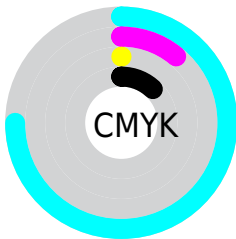
Distribution



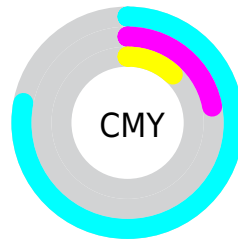
- Red (22%)
- Green (78%)
- Blue (88%)



- Red (22%)
- Yellow (52%)
- Blue (88%)



- Cyan (75%)
- Magenta (11%)
- Yellow (0%)
- Black (12%)





- Cyan (78%)
- Magenta (22%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0409, 0.2213, 0.2936 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 47.0409, 0.2213, 0.2936 by changing the saturation by 10% instead.


 47.0409, 0.2213,
0.2936

 47.0409, 0.2213,
0.2936


374.9778, 0.2651,
0.3125

 33.0680, 0.2111,
0.2886


 85.7747, 0.2367,
0.3007


 22.1785, 0.1983,
0.2820


 111.3043, 0.2427,
0.3033


 13.9881, 0.1821,
0.2732


 141.4550, 0.2477,
0.3055

 8.1124, 0.1611,
0.2606

 176.6111, 0.2521,
0.3073

 4.1670, 0.1328,
0.2417

 217.1571, 0.2560,
0.3089

 1.7674, 0.0944,
0.2112

263.4772, 0.2594,

 0.4667, 0.0000,

0.3103

0.1491

315.9560, 0.2624,
0.3115

0.0000, 0.0000,
0.0000

47.0409, 0.2213,
0.2936

47.0409, 0.2213,
0.2936

45.0367, 0.2160,
0.2883

49.3688, 0.2286,
0.2989

43.3085, 0.2125,
0.2831

52.0498, 0.2377,
0.3041

42.5721, 0.2113,
0.2807

55.1153, 0.2486,
0.3092

58.5918, 0.2610,
0.3141

62.5032, 0.2747,
0.3187

■ 66.8715, 0.2892,
0.3230

■ 71.7170, 0.3044,
0.3270

■ 77.0588, 0.3199,
0.3306

■ 82.5875, 0.3342,
0.3339

Harmonies

Analogous

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



47.0409, 0.2421, 0.3428



47.0409, 0.2213, 0.2936



47.0409, 0.2225, 0.2602

Triad

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



47.0409, 0.2213, 0.2936



47.0409, 0.3386, 0.2760



47.0409, 0.3797, 0.4173

Complementary

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



47.0409, 0.2213, 0.2936



21.8776, 0.5513, 0.3516

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.



47.0409, 0.4104, 0.3899



47.0409, 0.2213, 0.2936



47.0409, 0.3867, 0.3105

Square

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



47.0409, 0.2213, 0.2936



47.0409, 0.2865, 0.2533



47.0409, 0.4137, 0.3509



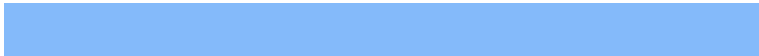
47.0409, 0.3324, 0.4206

Rectangle

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



47.0409, 0.2213, 0.2936



47.0409, 0.2354, 0.2493



47.0409, 0.4137, 0.3509



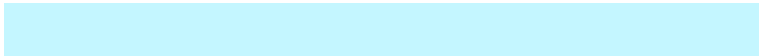
47.0409, 0.3924, 0.4102

Sweetspot

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



47.0426, 0.2213, 0.2936



85.1089, 0.2778, 0.3197



54.6662, 0.2948, 0.5445



17.7826, 0.2727, 0.3181



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.



47.0426, 0.2213, 0.2936



59.1636, 0.2140, 0.2856



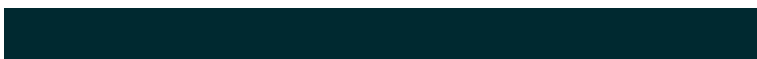
18.9300, 0.1888, 0.1670



15.2085, 0.2982, 0.3254



24.9162, 0.2115, 0.2815



1.8224, 0.2138, 0.2895

Inverse Universe

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



22.7136, 0.3497, 0.1872



27.1991, 0.3580, 0.1782



41.9892, 0.4633, 0.4385



13.8989, 0.3160, 0.3093



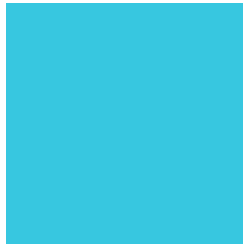
11.4234, 0.3621, 0.1768



0.8014, 0.3547, 0.1728

Previews

White Background



This preview shows how the Yxy color 47.0409, 0.2213, 0.2936 looks on a white background.

Color Contrast Check

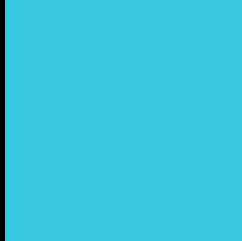
Large Text (above 18pt) WCAG AA × Fail

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 47.0409, 0.2213, 0.2936 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 47.0409, 0.2213, 0.2936

Background



This preview shows how black text looks on a background with the Yxy color 47.0409, 0.2213, 0.2936.

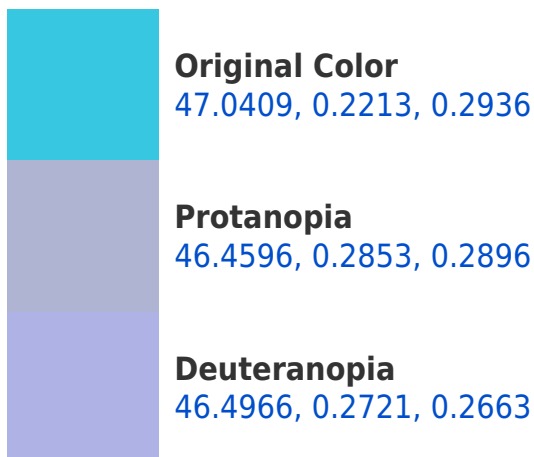


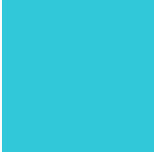
This preview shows how white text looks on a background with the Yxy color 47.0409, 0.2213, 0.2936.

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

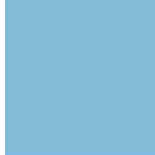
46.9713, 0.2232, 0.3044

Trichromacy



Original Color

47.0409, 0.2213, 0.2936



Protanomaly

45.3238, 0.2526, 0.2896



Deuteranomaly

45.4892, 0.2463, 0.2747



Tritanomaly

47.1797, 0.2224, 0.3003

Monochromacy



Original Color

47.0409, 0.2213, 0.2936



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

37.7559, 0.2636, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0409, 0.2213, 0.2936 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(55, 199, 224)` looks like.

```
.text, #text, p{  
    color:rgb(55, 199, 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(55, 199, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 199, 224) }
```

Border

The CSS property to change the border of an element to Yxy 47.0409, 0.2213, 0.2936 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(55, 199, 224) }
```

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

```
.border{ border-color:rgb(55, 199, 224) }
```

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

Here you see how a box with a 4 pixel rgb(55, 199, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 199, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 199, 224);  
box-shadow:4px 4px 4px 4px rgb(55, 199,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0409, 0.2213, 0.2936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 199, 224) }
```

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

```
.background{ background-color: rgb(55, 199,  
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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