

Converting Colors

$Y_{xy}(47.3331, 0.2395, 0.2931)$

Have a look what the booklet for
Yxy(47.3331, 0.2395, 0.2931)
contains.

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Color

Yxy(47.4388, 0.2396, 0.2934)

Conversions

Conversions Part 1

Format	Color
Hex	6CC3DD
RGB	108, 195, 221
RGB Percent	42%, 76%, 87%
CMY	0.5768, 0.2352, 0.1334
CMYK	0.51, 0.12, 0.00, 0.13
HSL	194°, 62%, 64%
HSV	194°, 51%, 87%
XYZ	38.7401, 47.4388, 75.5076
YIQ	171.9510, -60.1980, -10.3580

Conversions

Conversions Part 2

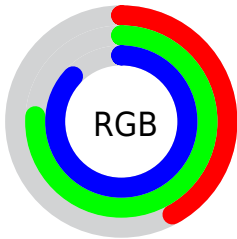
Format	Color
RYB	108, 157, 221
Decimal	7128029
CIELab	74.47, -19.24, -21.05
CIELCh	74, 28.512, 227.571
Yxy	47.4388, 0.2396, 0.2934
Android (android.graphics.Color)	4285318109 (0xFF6CC3DD)
YUV	171.9510, 24.1812, -56.0850
Hunter-Lab	68.8758, -20.1332, -16.7857

Details

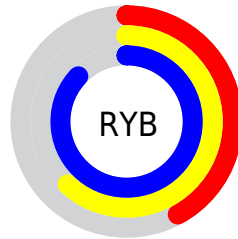
The Yxy color **47.4388, 0.2396, 0.2934** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **33.4658, 0.4414, 0.3600**, and the grayscale version is **41.1173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9478, 0.2629, 0.3256**, and **22.3608, 0.2205, 0.2819** is the 20% darker color. If you saturate the color by 10%, you get **43.9919, 0.2286, 0.2851**, and if you desaturate by 10%, it is **51.3176, 0.2521, 0.3014**.

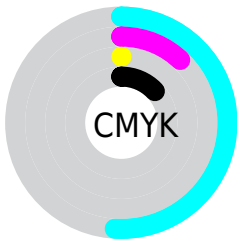
Distribution



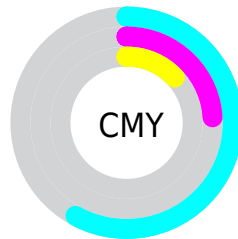
- Red (42%)
- Green (76%)
- Blue (87%)



- Red (42%)
- Yellow (62%)
- Blue (87%)



- Cyan (51%)
- Magenta (12%)
- Yellow (0%)
- Black (13%)



- Cyan (58%)
- Magenta (24%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4388, 0.2396, 0.2934 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 47.4388, 0.2396, 0.2934 by changing the saturation by 10% instead.

■ 47.4388, 0.2396,
0.2934

■ 47.4388, 0.2396,
0.2934

376.5633, 0.2749,
0.3118

■ 33.3827, 0.2312,
0.2887

■ 86.3682, 0.2521,
0.3002

■ 22.4198, 0.2207,
0.2825

■ 112.0104, 0.2569,
0.3027

■ 14.1657, 0.2072,
0.2743

■ 142.2833, 0.2610,
0.3049

■ 8.2360, 0.1892,
0.2628

177.5713, 0.2646,
0.3067

■ 4.2463, 0.1645,
0.2457

218.2590, 0.2677,
0.3082

■ 1.8123, 0.1290,
0.2182

264.7306, 0.2704,

■ 0.4948, 0.0002,

0.3096

0.1689

317.3706, 0.2728,
0.3108

0.0000, 0.0000,
0.0000

47.4388, 0.2396,
0.2934

47.4388, 0.2396,
0.2934

43.9919, 0.2286,
0.2851

51.3176, 0.2521,
0.3014

40.9436, 0.2194,
0.2767

55.6478, 0.2658,
0.3089

38.2639, 0.2121,
0.2681

60.4542, 0.2804,
0.3159

35.9149, 0.2068,
0.2596

65.7577, 0.2955,
0.3224

34.0589, 0.2034,
0.2522

71.5781, 0.3109,
0.3283

77.9339, 0.3263,
0.3337

83.3728, 0.3360,
0.3386

86.2471, 0.3353,
0.3436

89.2043, 0.3346,
0.3485

Harmonies

Analogous

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



47.4388, 0.2514, 0.3285



47.4388, 0.2396, 0.2934



47.4388, 0.2457, 0.2711

Triad

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



47.4388, 0.2396, 0.2934



47.4388, 0.3447, 0.2949



47.4388, 0.3553, 0.3997

Complementary

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



47.4388, 0.2396, 0.2934



33.4658, 0.4414, 0.3600

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.



47.4388, 0.3831, 0.3847



47.4388, 0.2396, 0.2934



47.4388, 0.3775, 0.3245

Square

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



47.4388, 0.2396, 0.2934



47.4388, 0.3044, 0.2735



47.4388, 0.3918, 0.3567



47.4388, 0.3170, 0.3940

Rectangle

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



47.4388, 0.2396, 0.2934



47.4388, 0.2593, 0.2651



47.4388, 0.3918, 0.3567



47.4388, 0.3662, 0.3967

Sweetspot

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



47.4406, 0.2396, 0.2934



87.9771, 0.2895, 0.3199



56.5629, 0.2926, 0.4570



18.4971, 0.2863, 0.3186



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.



47.4406, 0.2396, 0.2934



60.7087, 0.2283, 0.2849



27.1432, 0.2236, 0.2123



14.2961, 0.2982, 0.3235



19.9680, 0.2038, 0.2535



1.4199, 0.2076, 0.2672

Inverse Universe

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



30.0168, 0.3460, 0.2307



35.3986, 0.3551, 0.2146



52.8217, 0.4049, 0.4219



13.2210, 0.3173, 0.3112



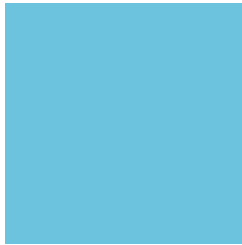
10.6395, 0.3887, 0.1915



0.7020, 0.3754, 0.1842

Previews

White Background



This preview shows how the Yxy color 47.4388, 0.2396, 0.2934 looks on a white background.

Color Contrast Check

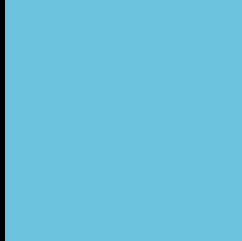
Large Text (above 18pt) WCAG AA × Fail

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 47.4388, 0.2396, 0.2934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

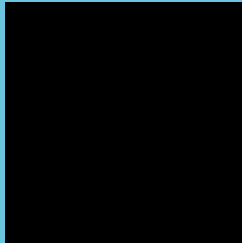
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.4388, 0.2396, 0.2934

Background



This preview shows how black text looks on a background with the Yxy color 47.4388, 0.2396, 0.2934.



This preview shows how white text looks on a background with the Yxy color 47.4388, 0.2396, 0.2934.

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

47.4388, 0.2396, 0.2934

Protanopia

47.0980, 0.2869, 0.2911

Deuteranopia

46.7420, 0.2778, 0.2712



Tritanopia

47.2366, 0.2430, 0.3065

Trichromacy



Original Color

47.4388, 0.2396, 0.2934

Protanomaly

46.6995, 0.2665, 0.2909

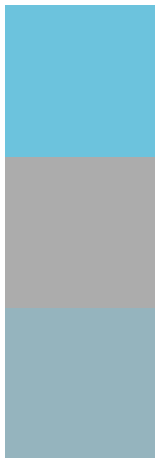
Deuteranomaly

46.4351, 0.2613, 0.2775

Tritanomaly

47.4503, 0.2420, 0.3025

Monochromacy



Original Color

47.4388, 0.2396, 0.2934

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.7498, 0.2801, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4388, 0.2396, 0.2934 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(108, 195, 221)` looks like.

```
.text, #text, p{  
    color:rgb(108, 195, 221)  
}
```

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(108, 195, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 195, 221) }
```

Border

The CSS property to change the border of an element to Yxy 47.4388, 0.2396, 0.2934 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(108, 195, 221) }
```

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

```
.border{ border-color:rgb(108, 195, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 195, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 195, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 195, 221);  
box-shadow:4px 4px 4px 4px rgb(108, 195,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4388, 0.2396, 0.2934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 195, 221) }
```

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

```
.background{ background-color: rgb(108,  
195, 221) }
```

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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