

Converting Colors

$Y_{xy}(47.2752, 0.2277, 0.2778)$

Have a look what the booklet for
Yxy(47.2752, 0.2277, 0.2778)
contains.

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Color

Yxy(47.2406, 0.2277, 0.2776)

Conversions

Conversions Part 1

Format	Color
Hex	5DC3E9
RGB	93, 195, 233
RGB Percent	36%, 76%, 91%
CMY	0.6348, 0.2353, 0.0862
CMYK	0.60, 0.16, 0.00, 0.09
HSL	196°, 76%, 64%
HSV	196°, 60%, 91%
XYZ	38.7489, 47.2406, 84.1856
YIQ	168.8340, -72.9900, -9.8060

Conversions

Conversions Part 2

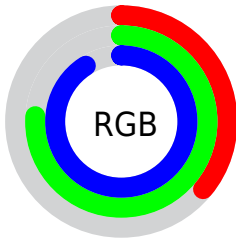
Format	Color
RYB	93, 152, 233
Decimal	6145001
CIELab	74.34, -18.66, -27.80
CIELCh	74, 33.485, 236.123
Yxy	47.2406, 0.2277, 0.2776
Android (android.graphics.Color)	4284335081 (0xFF5DC3E9)
YUV	168.8340, 31.6338, -66.5064
Hunter-Lab	68.7318, -19.6479, -24.5086

Details

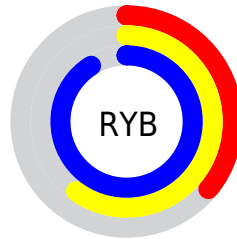
The Yxy color **47.2406, 0.2277, 0.2776** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **34.3969, 0.4710, 0.3705**, and the grayscale version is **39.4738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7108, 0.2574, 0.3255**, and **22.2241, 0.2063, 0.2625** is the 20% darker color. If you saturate the color by 10%, you get **43.4250, 0.2177, 0.2674**, and if you desaturate by 10%, it is **51.5506, 0.2395, 0.2875**.

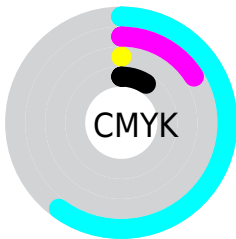
Distribution



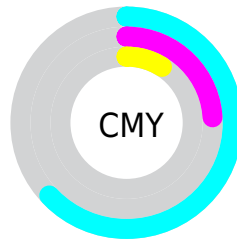
- Red (36%)
- Green (76%)
- Blue (91%)



- Red (36%)
- Yellow (60%)
- Blue (91%)



- Cyan (60%)
- Magenta (16%)
- Yellow (0%)
- Black (9%)



- Cyan (63%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2406, 0.2277, 0.2776 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 47.2406, 0.2277, 0.2776 by changing the saturation by 10% instead.

■ 47.2406, 0.2277,
0.2776

■ 47.2406, 0.2277,
0.2776

■ 375.7741, 0.2685,
0.3038

■ 33.2259, 0.2182,
0.2710

■ 86.0727, 0.2421,
0.2872

■ 22.2996, 0.2063,
0.2626

■ 111.6588, 0.2476,
0.2908

■ 14.0772, 0.1912,
0.2515

■ 141.8709, 0.2523,
0.2938

■ 8.1744, 0.1715,
0.2363

■ 177.0933, 0.2564,
0.2964

■ 4.2067, 0.1450,
0.2145

■ 217.7104, 0.2600,
0.2986

■ 1.7899, 0.1087,
0.1815

■ 264.1067, 0.2632,

■ 0.4808, 0.0004,

0.3006

0.1244

316.6664, 0.2660,
0.3023

0.0000, 0.0000,
0.0000

47.2406, 0.2277,
0.2776

47.2406, 0.2277,
0.2776

43.4250, 0.2177,
0.2674

51.5506, 0.2395,
0.2875

40.0624, 0.2095,
0.2571

56.3819, 0.2527,
0.2971

37.1115, 0.2034,
0.2468


61.7647, 0.2669,
0.3060

34.5091, 0.1991,
0.2367


67.7256, 0.2819,
0.3144

74.2888, 0.2972,
0.3220

 81.4772, 0.3127,
0.3290

 89.0761, 0.3271,
0.3352

 92.8584, 0.3265,
0.3414

 96.7721, 0.3259,
0.3474

Harmonies

Analogous

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



47.2406, 0.2352, 0.3150



47.2406, 0.2277, 0.2776



47.2406, 0.2404, 0.2574

Triad

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



47.2406, 0.2277, 0.2776



47.2406, 0.3628, 0.2982



47.2406, 0.3500, 0.4134

Complementary

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



47.2406, 0.2277, 0.2776



34.3969, 0.4710, 0.3705

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.



47.2406, 0.3876, 0.4008



47.2406, 0.2277, 0.2776



47.2406, 0.3965, 0.3338

Square

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



47.2406, 0.2277, 0.2776



47.2406, 0.3161, 0.2704



47.2406, 0.4055, 0.3707



47.2406, 0.3040, 0.3994

Rectangle

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



47.2406, 0.2277, 0.2776



47.2406, 0.2594, 0.2543



47.2406, 0.4055, 0.3707



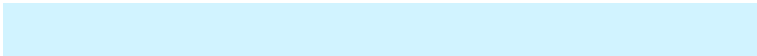
47.2406, 0.3641, 0.4119

Sweetspot

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



47.2423, 0.2277, 0.2776



84.6040, 0.2848, 0.3159



62.2495, 0.2874, 0.4742



17.6259, 0.2804, 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.



47.2423, 0.2277, 0.2776



52.2751, 0.2156, 0.2650



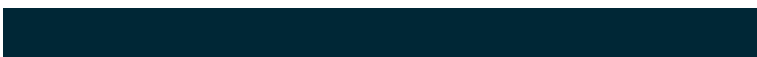
23.0805, 0.2053, 0.1777



16.3889, 0.2981, 0.3224



19.7926, 0.1995, 0.2383



1.7125, 0.2034, 0.2524

Inverse Universe

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



29.1179, 0.3610, 0.2219



30.2291, 0.3748, 0.2077



59.6063, 0.4177, 0.4420



15.2398, 0.3179, 0.3120



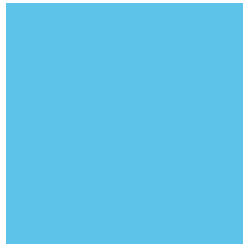
11.4909, 0.4040, 0.1999



0.9183, 0.3899, 0.1921

Previews

White Background



This preview shows how the Yxy color 47.2406, 0.2277, 0.2776 looks on a white background.

Color Contrast Check

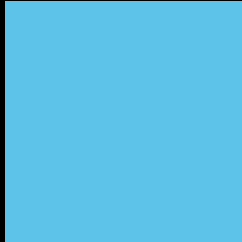
Large Text (above 18pt) WCAG AA × Fail

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 47.2406, 0.2277, 0.2776 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 47.2406, 0.2277, 0.2776

Background



This preview shows how black text looks on a background with the Yxy color 47.2406, 0.2277, 0.2776.

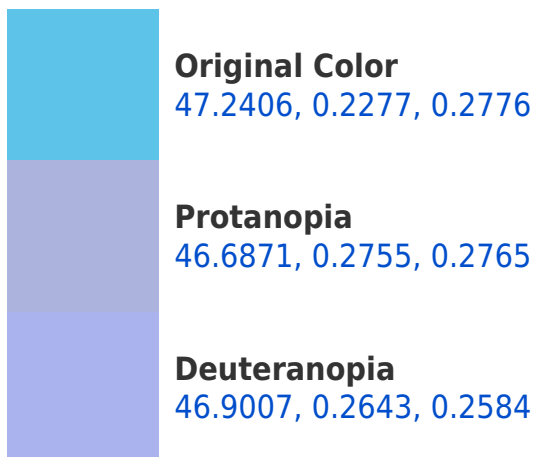


This preview shows how white text looks on a background with the Yxy color 47.2406, 0.2277, 0.2776.

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

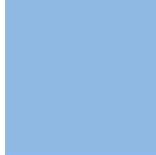
47.1745, 0.2342, 0.3062

Trichromacy



Original Color

47.2406, 0.2277, 0.2776



Protanomaly

46.0286, 0.2539, 0.2756



Deuteranomaly

46.5048, 0.2477, 0.2640



Tritanomaly

47.2277, 0.2317, 0.2955

Monochromacy



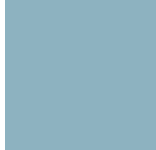
Original Color

47.2406, 0.2277, 0.2776



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

41.3093, 0.2725, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2406, 0.2277, 0.2776 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(93, 195, 233)` looks like.

```
.text, #text, p{  
    color:rgb(93, 195, 233)  
}
```

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(93, 195, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 195, 233) }
```

Border

The CSS property to change the border of an element to Yxy 47.2406, 0.2277, 0.2776 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(93, 195, 233) }
```

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

```
.border{ border-color:rgb(93, 195, 233) }
```

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

Here you see how a box with a 4 pixel rgb(93, 195, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 195, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 195, 233);  
box-shadow:4px 4px 4px 4px rgb(93, 195,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2406, 0.2277, 0.2776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 195, 233) }
```

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

```
.background{ background-color: rgb(93, 195,  
233) }
```

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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