

Converting Colors

$Y_{xy}(57.0770, 0.2408, 0.2912)$

Have a look what the booklet for
Yxy(57.0770, 0.2408, 0.2912)
contains.

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Color

Yxy(57.0770, 0.2408, 0.2912)

Conversions

Conversions Part 1

Format	Color
Hex	7AD3F1
RGB	122, 211, 241
RGB Percent	48%, 83%, 95%
CMY	0.5214, 0.1725, 0.0550
CMYK	0.49, 0.12, 0.00, 0.05
HSL	195°, 81%, 71%
HSV	195°, 49%, 95%
XYZ	47.1983, 57.0770, 91.7309
YIQ	187.8090, -62.6740, -9.5380

Conversions

Conversions Part 2

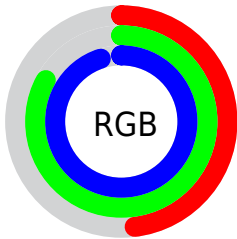
Format	Color
RYB	122, 173, 241
Decimal	8049649
CIELab	80.22, -18.81, -22.99
CIElCh	80, 29.706, 230.711
Yxy	57.0770, 0.2408, 0.2912
Android (android.graphics.Color)	4286239729 (0xFF7AD3F1)
YUV	187.8090, 26.2232, -57.7145
Hunter-Lab	75.5493, -20.6962, -19.1045

Details

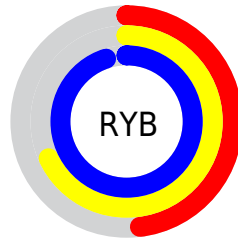
The Yxy color **57.0770, 0.2408, 0.2912** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.5649, 0.4341, 0.3622**, and the grayscale version is **50.0559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.5638, 0.2706, 0.3289**, and **28.2718, 0.2234, 0.2799** is the 20% darker color. If you saturate the color by 10%, you get **52.5710, 0.2292, 0.2821**, and if you desaturate by 10%, it is **62.1374, 0.2539, 0.3000**.

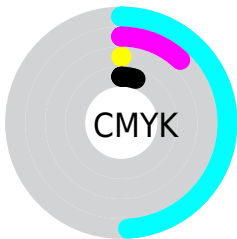
Distribution



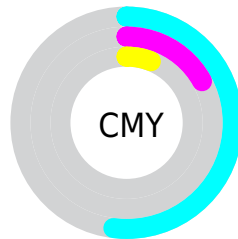
- Red (48%)
- Green (83%)
- Blue (95%)



- Red (48%)
- Yellow (68%)
- Blue (95%)



- Cyan (49%)
- Magenta (12%)
- Yellow (0%)
- Black (5%)




- Cyan (52%)
- Magenta (17%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.0770, 0.2408, 0.2912 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 57.0770, 0.2408, 0.2912 by changing the saturation by 10% instead.


 57.0770, 0.2408,
0.2912


 57.0770, 0.2408,
0.2912


413.7378, 0.2745,
0.3101


 41.0671, 0.2331,
0.2866


 100.5775, 0.2525,
0.2980

 28.3715, 0.2235,
0.2807


 128.8369, 0.2571,
0.3006

 18.6059, 0.2115,
0.2730


 161.9482, 0.2610,
0.3028

 11.3858, 0.1959,
0.2626

200.2959, 0.2644,
0.3046

 6.3270, 0.1749,
0.2478

244.2643, 0.2674,
0.3063

 3.0449, 0.1458,
0.2255

294.2378, 0.2700,

 1.1552, 0.1012,

0.3077

0.1897

350.6008, 0.2724,
0.3089

■ 0.0247, 0.0000,
0.0135

■ 0.0000, 0.0000,
0.0000

■ 57.0770, 0.2408,
0.2912

■ 57.0770, 0.2408,
0.2912

■ 52.5710, 0.2292,
0.2821

■ 62.1374, 0.2539,
0.3000

■ 48.5789, 0.2193,
0.2726

■ 67.7765, 0.2680,
0.3082

■ 45.0642, 0.2114,
0.2631

■ 74.0246, 0.2829,
0.3159

■ 41.9810, 0.2054,
0.2537

■ 80.9076, 0.2982,
0.3230

■ 39.2584, 0.2013,
0.2443

■ 88.4499, 0.3137,
0.3294

■ 39.0903, 0.2010,
0.2437

■ 94.4024, 0.3215,
0.3353

■ 98.1868, 0.3210,
0.3411

■ 99.1296, 0.3209,
0.3425

Harmonies

Analogous

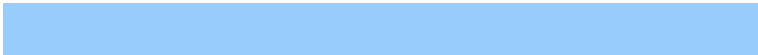
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.0770, 0.2506, 0.3246



57.0770, 0.2408, 0.2912



57.0770, 0.2486, 0.2709

Triad

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



57.0770, 0.2408, 0.2912



57.0770, 0.3480, 0.2983



57.0770, 0.3509, 0.3987

Complementary

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



57.0770, 0.2408, 0.2912



42.5649, 0.4341, 0.3622

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.



57.0770, 0.3796, 0.3859



57.0770, 0.2408, 0.2912



57.0770, 0.3786, 0.3279

Square

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



57.0770, 0.2408, 0.2912



57.0770, 0.3087, 0.2762



57.0770, 0.3903, 0.3595



57.0770, 0.3129, 0.3906

Rectangle

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



57.0770, 0.2408, 0.2912



57.0770, 0.2630, 0.2660



57.0770, 0.3903, 0.3595



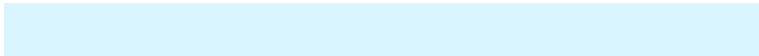
57.0770, 0.3620, 0.3965

Sweetspot

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



57.0792, 0.2408, 0.2912



87.4560, 0.2895, 0.3190



69.2981, 0.2911, 0.4470



18.3708, 0.2863, 0.3175



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.



57.0792, 0.2408, 0.2912



59.8634, 0.2294, 0.2822



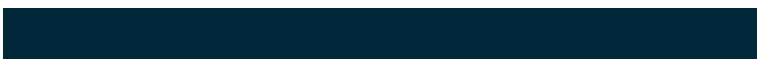
32.8730, 0.2255, 0.2112



17.2150, 0.2981, 0.3229



21.4280, 0.2015, 0.2453



1.9396, 0.2049, 0.2576

Inverse Universe

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



37.3288, 0.3475, 0.2359



36.2857, 0.3570, 0.2204



66.8129, 0.3998, 0.4230



15.9594, 0.3176, 0.3115



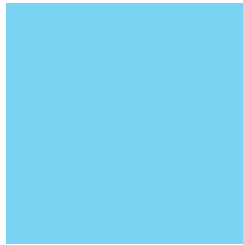
11.9565, 0.3970, 0.1960



1.0105, 0.3847, 0.1893

Previews

White Background



This preview shows how the Yxy color 57.0770, 0.2408, 0.2912 looks on a white background.

Color Contrast Check

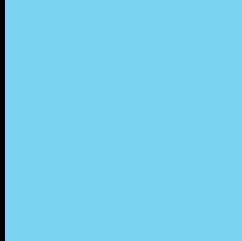
Large Text (above 18pt) WCAG AA × Fail

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 57.0770, 0.2408, 0.2912 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 57.0770, 0.2408, 0.2912

Background



This preview shows how black text looks on a background with the Yxy color 57.0770, 0.2408, 0.2912.



This preview shows how white text looks on a background with the Yxy color 57.0770, 0.2408, 0.2912.

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

57.0770, 0.2408, 0.2912

Protanopia

56.3257, 0.2846, 0.2881

Deuteranopia

56.5136, 0.2770, 0.2710



Tritanopia

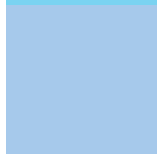
57.1532, 0.2446, 0.3070

Trichromacy



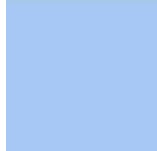
Original Color

57.0770, 0.2408, 0.2912



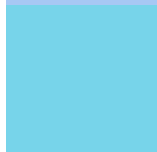
Protanomaly

55.8784, 0.2658, 0.2878



Deuteranomaly

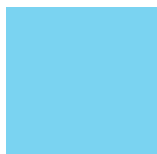
56.0557, 0.2612, 0.2767



Tritanomaly

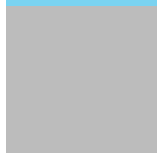
56.9494, 0.2429, 0.3007

Monochromacy



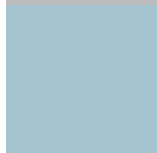
Original Color

57.0770, 0.2408, 0.2912



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

51.8774, 0.2810, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.0770, 0.2408, 0.2912 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(122, 211, 241)` looks like.

```
.text, #text, p{  
    color:rgb(122, 211, 241)  
}
```

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(122, 211, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 211, 241) }
```

Border

The CSS property to change the border of an element to Yxy 57.0770, 0.2408, 0.2912 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(122, 211, 241) }
```

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

```
.border{ border-color:rgb(122, 211, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 211, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 211, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 211, 241);  
box-shadow:4px 4px 4px 4px rgb(122, 211,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 57.0770, 0.2408, 0.2912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 211, 241) }
```

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

```
.background{ background-color: rgb(122,  
211, 241) }
```

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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