

Converting Colors

$Y_{xy}(58.3709, 0.2279, 0.2613)$

Have a look what the booklet for
Yxy(58.3709, 0.2279, 0.2613)
contains.

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Color

Yxy(57.7305, 0.2333, 0.2751)

Conversions

Conversions Part 1

Format	Color
Hex	77D3FF
RGB	119, 211, 255
RGB Percent	47%, 83%, 100%
CMY	0.5330, 0.1726, 0.0000
CMYK	0.53, 0.17, 0.00, 0.00
HSL	199°, 100%, 73%
HSV	199°, 53%, 100%
XYZ	48.9587, 57.7305, 103.1636
YIQ	188.5080, -68.9560, -5.8200

Conversions

Conversions Part 2

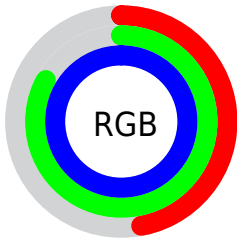
Format	Color
RYB	119, 174, 255
Decimal	7853055
CIELab	80.59, -15.53, -29.90
CIELCh	81, 33.693, 242.562
Yxy	57.7305, 0.2333, 0.2751
Android (android.graphics.Color)	4286043135 (0xFF77D3FF)
YUV	188.5080, 32.7806, -60.9585
Hunter-Lab	75.9806, -17.9482, -27.3154

Details

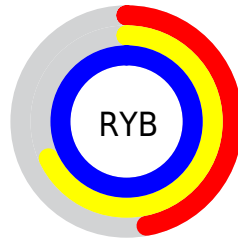
The Yxy color **57.7305, 0.2333, 0.2751** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **48.8158, 0.4425, 0.3745**, and the grayscale version is **50.4441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3237, 0.2696, 0.3289**, and **28.6384, 0.2147, 0.2605** is the 20% darker color. If you saturate the color by 10%, you get **52.1657, 0.2213, 0.2629**, and if you desaturate by 10%, it is **63.9942, 0.2467, 0.2868**.

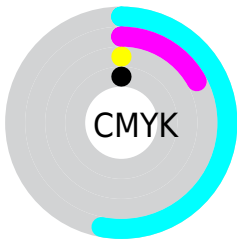
Distribution



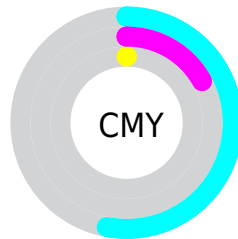
- Red (47%)
- Green (83%)
- Blue (100%)



- Red (47%)
- Yellow (68%)
- Blue (100%)



- Cyan (53%)
- Magenta (17%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (17%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.7305, 0.2333, 0.2751 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 57.7305, 0.2333, 0.2751 by changing the saturation by 10% instead.

■ 57.7305, 0.2333,
0.2751

■ 57.7305, 0.2333,
0.2751

416.1810, 0.2702,
0.3014

■ 41.5920, 0.2249,
0.2688

■ 101.5303, 0.2461,
0.2844

■ 28.7820, 0.2147,
0.2610

■ 129.9604, 0.2510,
0.2880

■ 18.9159, 0.2019,
0.2509

■ 163.2565, 0.2553,
0.2911

■ 11.6096, 0.1854,
0.2376

201.8031, 0.2591,
0.2937

■ 6.4784, 0.1637,
0.2193

245.9844, 0.2624,
0.2960

■ 3.1381, 0.1344,
0.1929

296.1848, 0.2653,

■ 1.2043, 0.0936,

0.2980

0.1533

352.7889, 0.2679,
0.2998

0.0652, 0.0000,
0.0234

0.0000, 0.0000,
0.0000

57.7305, 0.2333,
0.2751

57.7305, 0.2333,
0.2751

52.1657, 0.2213,
0.2629

63.9942, 0.2467,
0.2868

47.2506, 0.2111,
0.2504

70.9887, 0.2613,
0.2979

42.9383, 0.2029,
0.2378

78.7512, 0.2765,
0.3083

39.1697, 0.1968,
0.2255

87.3139, 0.2920,
0.3178

■ 36.8933, 0.1937,
0.2173

■ 96.7070, 0.3076,
0.3264

99.9996, 0.3127,
0.3290

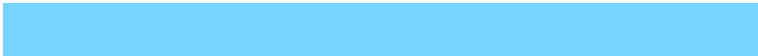
Harmonies

Analogous

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



57.7305, 0.2363, 0.3074



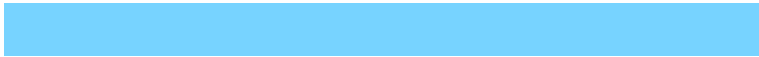
57.7305, 0.2333, 0.2751



57.7305, 0.2494, 0.2596

Triad

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



57.7305, 0.2333, 0.2751



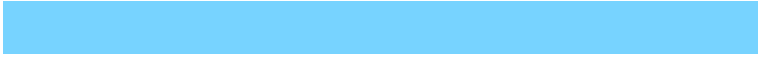
57.7305, 0.3682, 0.3068



57.7305, 0.3390, 0.4077

Complementary

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



57.7305, 0.2333, 0.2751



48.8158, 0.4425, 0.3745

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.



57.7305, 0.3771, 0.4011



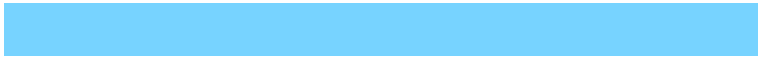
57.7305, 0.2333, 0.2751



57.7305, 0.3955, 0.3414

Square

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



57.7305, 0.2333, 0.2751



57.7305, 0.3257, 0.2783



57.7305, 0.3985, 0.3756



57.7305, 0.2955, 0.3888

Rectangle

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



57.7305, 0.2333, 0.2751



57.7305, 0.2698, 0.2589



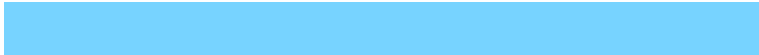
57.7305, 0.3985, 0.3756



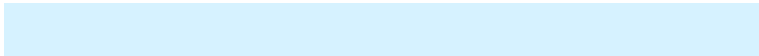
57.7305, 0.3529, 0.4081

Sweetspot

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



57.7326, 0.2333, 0.2751



84.9265, 0.2878, 0.3153



78.0563, 0.2858, 0.4470



17.7959, 0.2846, 0.3133



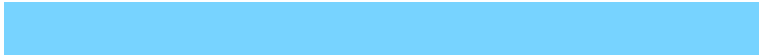
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.7326, 0.2333, 0.2751



51.8041, 0.2205, 0.2620



31.0934, 0.2154, 0.1879



19.4318, 0.2980, 0.3211



19.5616, 0.1943, 0.2193



2.1032, 0.1982, 0.2333

Inverse Universe

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



39.1746, 0.3616, 0.2377



33.1518, 0.3757, 0.2235



79.2286, 0.4026, 0.4376



18.1944, 0.3188, 0.3131



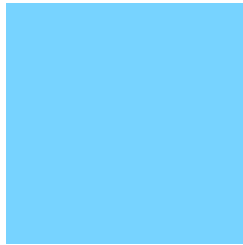
12.7027, 0.4239, 0.2109



1.2569, 0.4092, 0.2028

Previews

White Background



This preview shows how the Yxy color 57.7305, 0.2333, 0.2751 looks on a white background.

Color Contrast Check

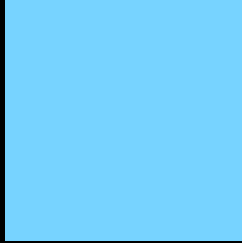
Large Text (above 18pt) WCAG AA × Fail

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 57.7305, 0.2333, 0.2751 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

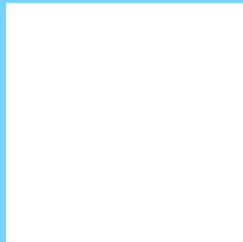
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.7305, 0.2333, 0.2751

Background



This preview shows how black text looks on a background with the Yxy color 57.7305, 0.2333, 0.2751.



This preview shows how white text looks on a background with the Yxy color 57.7305, 0.2333, 0.2751.

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

57.7305, 0.2333, 0.2751

Protanopia

57.2164, 0.2739, 0.2740

Deuteranopia

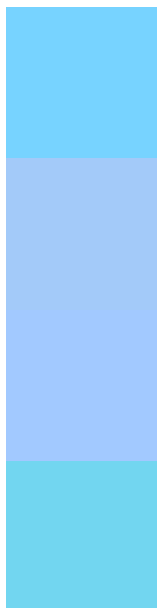
57.2647, 0.2672, 0.2625



Tritanopia

57.8066, 0.2412, 0.3069

Trichromacy



Original Color

57.7305, 0.2333, 0.2751

Protanomaly

56.8671, 0.2564, 0.2734

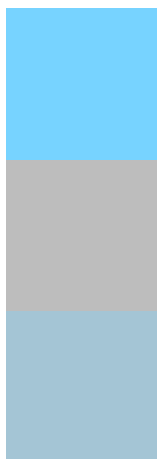
Deuteranomaly

56.6747, 0.2525, 0.2658

Tritanomaly

57.9618, 0.2385, 0.2960

Monochromacy



Original Color

57.7305, 0.2333, 0.2751

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.6291, 0.2773, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.7305, 0.2333, 0.2751 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(119, 211, 255)` looks like.

```
.text, #text, p{  
    color:rgb(119, 211, 255)  
}
```

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(119, 211, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 211, 255) }
```

Border

The CSS property to change the border of an element to Yxy 57.7305, 0.2333, 0.2751 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(119, 211, 255) }
```

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

```
.border{ border-color:rgb(119, 211, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 211, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 211, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 211, 255);  
box-shadow:4px 4px 4px 4px rgb(119, 211,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 57.7305, 0.2333, 0.2751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 211, 255) }
```

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

```
.background{ background-color: rgb(119,  
211, 255) }
```

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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