

Converting Colors

$Y_{xy}(64.0804, 0.2407, 0.2970)$

Have a look what the booklet for
Yxy(64.0804, 0.2407, 0.2970)
contains.

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Color

Yxy(63.9626, 0.2406, 0.2962)

Conversions

Conversions Part 1

Format	Color
Hex	7CDFFA
RGB	124, 223, 250
RGB Percent	49%, 87%, 98%
CMY	0.5135, 0.1255, 0.0197
CMYK	0.50, 0.11, 0.00, 0.02
HSL	193°, 93%, 73%
HSV	193°, 50%, 98%
XYZ	51.9561, 63.9626, 100.0252
YIQ	196.4770, -67.6710, -12.5910

Conversions

Conversions Part 2

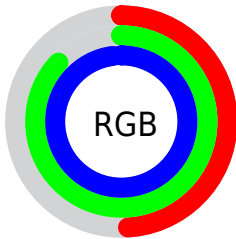
Format	Color
RYB	124, 179, 250
Decimal	8183802
CIELab	83.95, -21.98, -22.10
CIELCh	84, 31.170, 225.159
Yxy	63.9626, 0.2406, 0.2962
Android (android.graphics.Color)	4286373882 (0xFF7CDFFA)
YUV	196.4770, 26.3868, -63.5623
Hunter-Lab	79.9766, -23.9981, -18.1692

Details

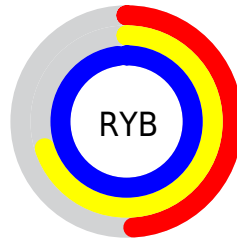
The Yxy color **63.9626, 0.2406, 0.2962** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.9148, 0.4409, 0.3578**, and the grayscale version is **55.3794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **32.8476, 0.2245, 0.2885** is the 20% darker color. If you saturate the color by 10%, you get **59.5159, 0.2297, 0.2885**, and if you desaturate by 10%, it is **68.9766, 0.2531, 0.3036**.

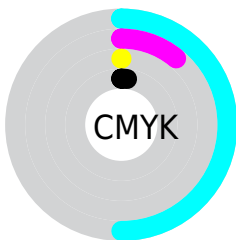
Distribution



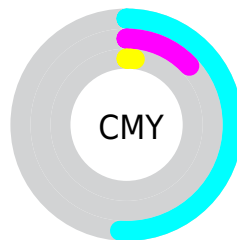
- Red (49%)
- Green (87%)
- Blue (98%)



- Red (49%)
- Yellow (70%)
- Blue (98%)



- Cyan (50%)
- Magenta (11%)
- Yellow (0%)
- Black (2%)





- Cyan (51%)
- Magenta (13%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9626, 0.2406, 0.2962 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 63.9626, 0.2406, 0.2962 by changing the saturation by 10% instead.

 63.9626, 0.2406,
0.2962


 63.9626, 0.2406,
0.2962


439.0546, 0.2737,
0.3125

 46.6204, 0.2332,
0.2923


 110.5571, 0.2520,
0.3020

 32.7357, 0.2241,
0.2873


 140.5781, 0.2565,
0.3042

 21.9240, 0.2127,
0.2808


 175.5942, 0.2603,
0.3061

 13.8011, 0.1981,
0.2721

215.9898, 0.2637,
0.3077

 7.9824, 0.1788,
0.2598

262.1492, 0.2666,
0.3092

 4.0837, 0.1524,
0.2415

314.4569, 0.2693,

 1.7205, 0.1152,

0.3104

0.2121

373.2972, 0.2716,
0.3115

0.4369, 0.0000,
0.1511

0.0000, 0.0000,
0.0000

63.9626, 0.2406,
0.2962

63.9626, 0.2406,
0.2962

59.5159, 0.2297,
0.2885

68.9766, 0.2531,
0.3036

55.5920, 0.2205,
0.2806

74.5841, 0.2668,
0.3107

52.1509, 0.2134,
0.2726

80.8179, 0.2814,
0.3172

49.1420, 0.2082,
0.2647

87.7062, 0.2967,
0.3233

■ 46.5752, 0.2048,
0.2572

■ 95.2754, 0.3121,
0.3288

■ 99.6803, 0.3156,
0.3338

Harmonies

Analogous

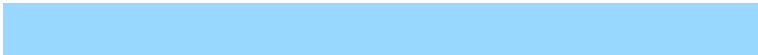
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.9626, 0.2536, 0.3316



63.9626, 0.2406, 0.2962



63.9626, 0.2452, 0.2729

Triad

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



63.9626, 0.2406, 0.2962



63.9626, 0.3413, 0.2931



63.9626, 0.3576, 0.3984

Complementary

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



63.9626, 0.2406, 0.2962



43.9148, 0.4409, 0.3578

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.



63.9626, 0.3839, 0.3823



63.9626, 0.2406, 0.2962



63.9626, 0.3748, 0.3220

Square

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



63.9626, 0.2406, 0.2962



63.9626, 0.3013, 0.2728



63.9626, 0.3906, 0.3540



63.9626, 0.3202, 0.3945

Rectangle

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



63.9626, 0.2406, 0.2962



63.9626, 0.2578, 0.2660



63.9626, 0.3906, 0.3540



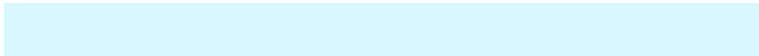
63.9626, 0.3681, 0.3949

Sweetspot

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



63.9650, 0.2406, 0.2962



88.3373, 0.2895, 0.3205



74.8195, 0.2937, 0.4584



18.5845, 0.2863, 0.3193



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.



63.9650, 0.2406, 0.2962



62.4097, 0.2300, 0.2887



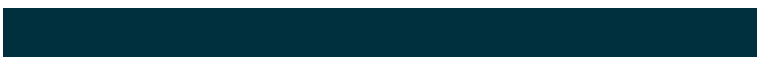
36.9686, 0.2250, 0.2162



18.9405, 0.2980, 0.3238



24.9301, 0.2051, 0.2584



2.4605, 0.2077, 0.2678

Inverse Universe

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



40.0742, 0.3437, 0.2298



36.0490, 0.3517, 0.2141



68.9596, 0.4052, 0.4192



17.4572, 0.3171, 0.3106



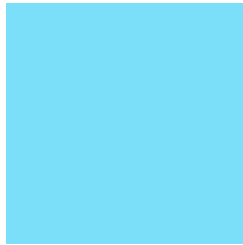
12.9276, 0.3839, 0.1889



1.2126, 0.3749, 0.1839

Previews

White Background



This preview shows how the Yxy color 63.9626, 0.2406, 0.2962 looks on a white background.

Color Contrast Check

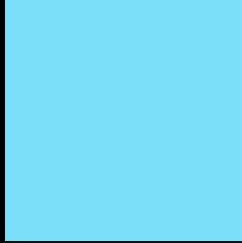
Large Text (above 18pt) WCAG AA × Fail

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 63.9626, 0.2406, 0.2962 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 63.9626, 0.2406, 0.2962

Background



This preview shows how black text looks on a background with the Yxy color 63.9626, 0.2406, 0.2962.

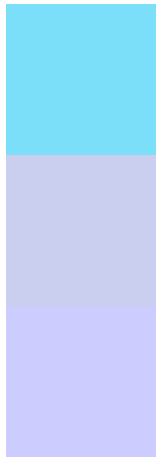


This preview shows how white text looks on a background with the Yxy color 63.9626, 0.2406, 0.2962.

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

63.9626, 0.2406, 0.2962

Protanopia

63.5542, 0.2885, 0.2933

Deuteranopia

63.3206, 0.2804, 0.2746



Tritanopia

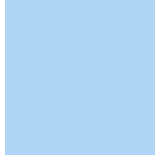
63.7871, 0.2431, 0.3067

Trichromacy



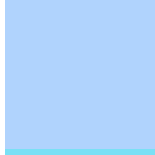
Original Color

63.9626, 0.2406, 0.2962



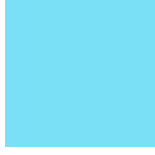
Protanomaly

63.0582, 0.2678, 0.2941



Deuteranomaly

62.9105, 0.2633, 0.2811



Tritanomaly

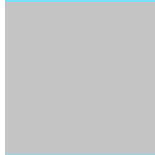
64.0415, 0.2422, 0.3031

Monochromacy



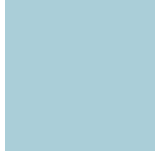
Original Color

63.9626, 0.2406, 0.2962



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

57.6465, 0.2803, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9626, 0.2406, 0.2962 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(124, 223, 250)` looks like.

```
.text, #text, p{  
    color:rgb(124, 223, 250)  
}
```

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(124, 223, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 223, 250) }
```

Border

The CSS property to change the border of an element to Yxy 63.9626, 0.2406, 0.2962 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(124, 223, 250) }
```

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

```
.border{ border-color:rgb(124, 223, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 223, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 223, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 223, 250);  
box-shadow:4px 4px 4px 4px rgb(124, 223,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9626, 0.2406, 0.2962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 223, 250) }
```

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

```
.background{ background-color: rgb(124,  
223, 250) }
```

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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