

Converting Colors

$Y_{xy}(49.3095, 0.2242, 0.2531)$

Have a look what the booklet for
Yxy(49.3095, 0.2242, 0.2531)
contains.

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Color

Yxy(49.4384, 0.2243, 0.2535)

Conversions

Conversions Part 1

Format	Color
Hex	6CC3FF
RGB	108, 195, 255
RGB Percent	42%, 76%, 100%
CMY	0.5767, 0.2352, 0.0000
CMYK	0.58, 0.24, 0.00, 0.00
HSL	204°, 100%, 71%
HSV	204°, 58%, 100%
XYZ	43.7437, 49.4384, 101.8412
YIQ	175.8270, -71.1120, 0.2160

Conversions

Conversions Part 2

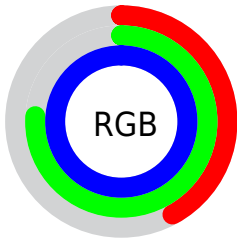
Format	Color
RYB	108, 163, 255
Decimal	7128063
CIELab	75.72, -9.32, -37.45
CIELCh	76, 38.591, 256.022
Yxy	49.4384, 0.2243, 0.2535
Android (android.graphics.Color)	4285318143 (0xFF6CC3FF)
YUV	175.8270, 39.0323, -59.4843
Hunter-Lab	70.3124, -11.9960, -36.6574

Details

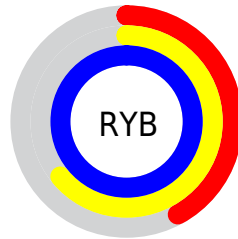
The Yxy color **49.4384, 0.2243, 0.2535** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.3224, 0.4488, 0.3898**, and the grayscale version is **43.1370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6494, 0.2641, 0.3245**, and **23.4843, 0.2025, 0.2330** is the 20% darker color. If you saturate the color by 10%, you get **43.5686, 0.2118, 0.2376**, and if you desaturate by 10%, it is **56.1038, 0.2383, 0.2689**.

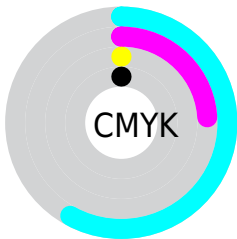
Distribution



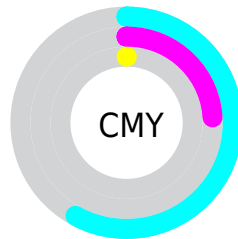
- Red (42%)
- Green (76%)
- Blue (100%)



- Red (42%)
- Yellow (64%)
- Blue (100%)



- Cyan (58%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)




- Cyan (58%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4384, 0.2243, 0.2535 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 49.4384, 0.2243, 0.2535 by changing the saturation by 10% instead.

 49.4384, 0.2243,
0.2535

 49.4384, 0.2243,
0.2535


384.4657, 0.2662,
0.2903

 34.9674, 0.2147,
0.2448


 89.3422, 0.2389,
0.2665

 23.6377, 0.2028,
0.2339


 115.5438, 0.2446,
0.2715

 15.0651, 0.1879,
0.2201


 146.4244, 0.2495,
0.2758

 8.8651, 0.1688,
0.2019

182.3683, 0.2537,
0.2795

 4.6533, 0.1437,
0.1774

223.7600, 0.2574,
0.2827

 2.0453, 0.1103,
0.1434

270.9839, 0.2607,

 0.6336, 0.0557,

0.2856

0.0942

324.4243, 0.2636,
0.2881

0.0000, 0.0000,
0.0000

49.4384, 0.2243,
0.2535

49.4384, 0.2243,
0.2535

43.5686, 0.2118,
0.2376

56.1038, 0.2383,
0.2689

38.4404, 0.2012,
0.2215

63.6030, 0.2534,
0.2835

33.9993, 0.1927,
0.2056

71.9770, 0.2691,
0.2972

30.1728, 0.1865,
0.1902

81.2625, 0.2850,
0.3097

29.3450, 0.1852,
0.1867

91.4936, 0.3008,
0.3211

99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



49.4384, 0.2176, 0.2826



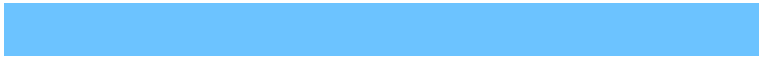
49.4384, 0.2243, 0.2535



49.4384, 0.2524, 0.2452

Triad

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



49.4384, 0.2243, 0.2535



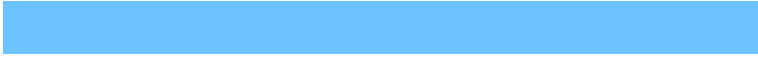
49.4384, 0.3978, 0.3198



49.4384, 0.3199, 0.4188

Complementary

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



49.4384, 0.2243, 0.2535



50.3224, 0.4488, 0.3898

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.



49.4384, 0.3704, 0.4230



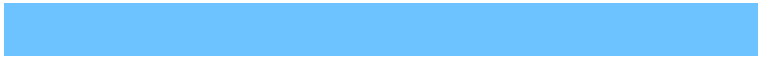
49.4384, 0.2243, 0.2535



49.4384, 0.4182, 0.3614

Square

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



49.4384, 0.2243, 0.2535



49.4384, 0.3523, 0.2825



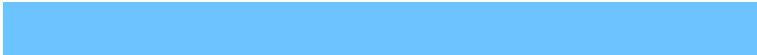
49.4384, 0.4072, 0.3995



49.4384, 0.2699, 0.3828

Rectangle

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



49.4384, 0.2243, 0.2535



49.4384, 0.2814, 0.2504



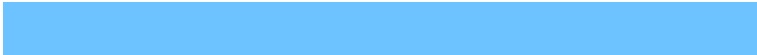
49.4384, 0.4072, 0.3995



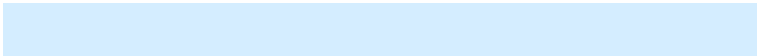
49.4384, 0.3374, 0.4239

Sweetspot

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



49.4402, 0.2243, 0.2535



81.9167, 0.2861, 0.3105



77.4845, 0.2791, 0.4423



17.1155, 0.2829, 0.3081



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.



49.4402, 0.2243, 0.2535



42.8439, 0.2103, 0.2355



24.4852, 0.2038, 0.1596



19.1659, 0.2979, 0.3191



15.6349, 0.1859, 0.1892



1.7373, 0.1908, 0.2067

Inverse Universe

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



35.9146, 0.3815, 0.2427



30.2874, 0.4019, 0.2314



84.8334, 0.4029, 0.4546



18.1676, 0.3201, 0.3150



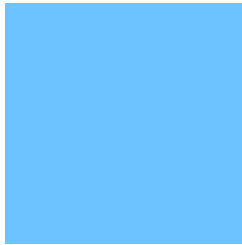
12.3063, 0.4577, 0.2295



1.2199, 0.4378, 0.2185

Previews

White Background



This preview shows how the Yxy color 49.4384, 0.2243, 0.2535 looks on a white background.

Color Contrast Check

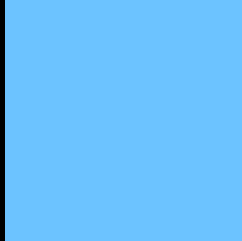
Large Text (above 18pt) WCAG AA × Fail

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 49.4384, 0.2243, 0.2535 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

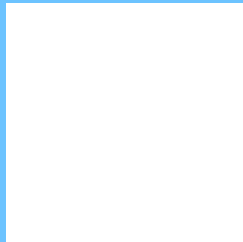
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.4384, 0.2243, 0.2535

Background



This preview shows how black text looks on a background with the Yxy color 49.4384, 0.2243, 0.2535.



This preview shows how white text looks on a background with the Yxy color 49.4384, 0.2243, 0.2535.

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

49.4384, 0.2243, 0.2535

Protanopia

48.8456, 0.2582, 0.2537

Deuteranopia

48.8735, 0.2500, 0.2439



Tritanopia

49.6302, 0.2366, 0.3067

Trichromacy



Original Color

49.4384, 0.2243, 0.2535

Protanomaly

48.4912, 0.2437, 0.2529

Deuteranomaly

48.6003, 0.2390, 0.2464

Tritanomaly

49.2130, 0.2318, 0.2860

Monochromacy



Original Color

49.4384, 0.2243, 0.2535

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.8541, 0.2717, 0.2993

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4384, 0.2243, 0.2535 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(108, 195, 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(108, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 195, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.4384, 0.2243, 0.2535 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, 255) }
```

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

```
.border{ border-color:rgb(108, 195, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(108, 195,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4384, 0.2243, 0.2535 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, 255) }
```

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

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