

Converting Colors

$Y_{xy}(49.2406, 0.2140, 0.2560)$

Have a look what the booklet for
Yxy(49.2406, 0.2140, 0.2560)
contains.

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Color

Yxy(49.0640, 0.2138, 0.2555)

Conversions

Conversions Part 1

Format	Color
Hex	4AC6FF
RGB	74, 198, 255
RGB Percent	29%, 78%, 100%
CMY	0.7105, 0.2234, 0.0000
CMYK	0.71, 0.22, 0.00, 0.00
HSL	199°, 100%, 64%
HSV	199°, 71%, 100%
XYZ	41.0563, 49.0640, 101.9110
YIQ	167.4220, -92.2010, -8.5610

Conversions

Conversions Part 2

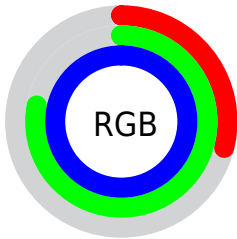
Format	Color
R _Y B	74, 148, 255
Decimal	4900607
CIE _{Lab}	75.49, -16.39, -37.89
CIE _{LCh}	75, 41.288, 246.605
Yxy	49.0640, 0.2138, 0.2555
Android (android.graphics.Color)	4283090687 (0xFF4AC6FF)
YUV	167.4220, 43.1760, -81.9311
Hunter-Lab	70.0457, -17.9547, -37.2303

Details

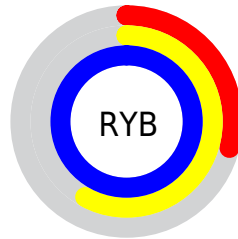
The Yxy color **49.0640, 0.2138, 0.2555** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed cyan. A complement of this color would be **37.9278, 0.5077, 0.3809**, and the grayscale version is **38.6561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5796, 0.2532, 0.3288**, and **24.0237, 0.1993, 0.2374** is the 20% darker color. If you saturate the color by 10%, you get **44.6834, 0.2053, 0.2433**, and if you desaturate by 10%, it is **54.0516, 0.2243, 0.2676**.

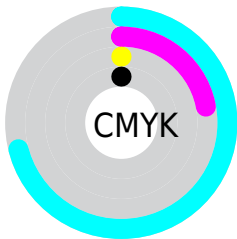
Distribution



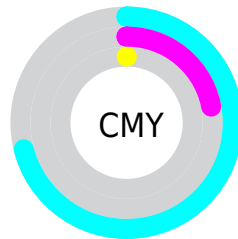
- Red (29%)
- Green (78%)
- Blue (100%)



- Red (29%)
- Yellow (58%)
- Blue (100%)



- Cyan (71%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0640, 0.2138, 0.2555 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 49.0640, 0.2138, 0.2555 by changing the saturation by 10% instead.


 49.0640, 0.2138,
0.2555


 49.0640, 0.2138,
0.2555

382.9942, 0.2603,
0.2919


 34.6703, 0.2032,
0.2468


 88.7865, 0.2300,
0.2685

 23.4090, 0.1903,
0.2358


 114.8840, 0.2362,
0.2734

 14.8958, 0.1741,
0.2218


 145.6516, 0.2417,
0.2777

 8.7463, 0.1535,
0.2033

 181.4737, 0.2464,
0.2813

 4.5761, 0.1270,
0.1783

222.7346, 0.2505,
0.2845

 2.0007, 0.0926,
0.1434

269.8187, 0.2542,

 0.6079, 0.0273,

0.2872

0.0933

323.1104, 0.2574,
0.2897

0.0000, 0.0000,
0.0000

49.0640, 0.2138,
0.2555

49.0640, 0.2138,
0.2555

44.6834, 0.2053,
0.2433

54.0516, 0.2243,
0.2676

40.8485, 0.1989,
0.2313

59.6883, 0.2365,
0.2793

37.8051, 0.1947,
0.2207

66.0171, 0.2501,
0.2906

73.0752, 0.2647,
0.3012

80.8967, 0.2800,
0.3110

■ 89.5131, 0.2955,
0.3200

■ 98.9541, 0.3111,
0.3282

■ 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.



49.0640, 0.2140, 0.2930



49.0640, 0.2138, 0.2555



49.0640, 0.2366, 0.2402

Triad

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



49.0640, 0.2138, 0.2555



49.0640, 0.3908, 0.3056



49.0640, 0.3377, 0.4310

Complementary

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



49.0640, 0.2138, 0.2555



37.9278, 0.5077, 0.3809

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.



49.0640, 0.3887, 0.4241



49.0640, 0.2138, 0.2555



49.0640, 0.4226, 0.3490

Square

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



49.0640, 0.2138, 0.2555



49.0640, 0.3368, 0.2691



49.0640, 0.4209, 0.3919



49.0640, 0.2824, 0.4024

Rectangle

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



49.0640, 0.2138, 0.2555



49.0640, 0.2636, 0.2417



49.0640, 0.4209, 0.3919



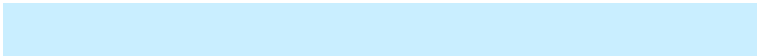
49.0640, 0.3559, 0.4325

Sweetspot

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



49.0657, 0.2138, 0.2555



80.9423, 0.2801, 0.3111



74.5298, 0.2839, 0.4981



16.8457, 0.2758, 0.3084



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.



49.0657, 0.2138, 0.2555



43.1090, 0.2025, 0.2386



19.8310, 0.1845, 0.1384



19.4612, 0.2980, 0.3213



20.0341, 0.1952, 0.2227



2.1466, 0.1990, 0.2362

Inverse Universe

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



30.2103, 0.3834, 0.2150



26.2432, 0.4025, 0.2076



72.2896, 0.4318, 0.4609



18.1974, 0.3186, 0.3128



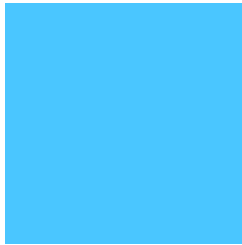
12.7504, 0.4204, 0.2089



1.2612, 0.4062, 0.2011

Previews

White Background



This preview shows how the Yxy color 49.0640, 0.2138, 0.2555 looks on a white background.

Color Contrast Check

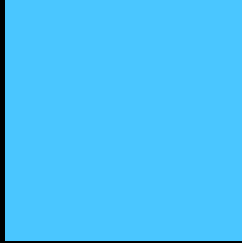
Large Text (above 18pt) WCAG AA × Fail

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 49.0640, 0.2138, 0.2555 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

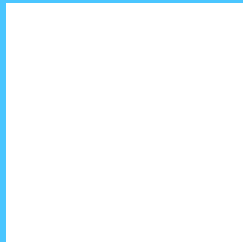
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.0640, 0.2138, 0.2555

Background



This preview shows how black text looks on a background with the Yxy color 49.0640, 0.2138, 0.2555.

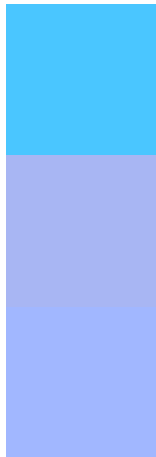


This preview shows how white text looks on a background with the Yxy color 49.0640, 0.2138, 0.2555.

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

49.0640, 0.2138, 0.2555

Protanopia

48.2518, 0.2598, 0.2555

Deuteranopia

48.6640, 0.2487, 0.2437



Tritanopia

49.0346, 0.2229, 0.3048

Trichromacy



Original Color

49.0640, 0.2138, 0.2555

Protanomaly

47.7502, 0.2382, 0.2551

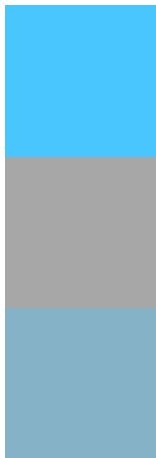
Deuteranomaly

47.8536, 0.2319, 0.2462

Tritanomaly

48.9941, 0.2193, 0.2864

Monochromacy



Original Color

49.0640, 0.2138, 0.2555

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.9509, 0.2623, 0.2991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0640, 0.2138, 0.2555 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(74, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(74, 198, 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(74, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 198, 255) }
```

Border

The CSS property to change the border of an element to Yxy 49.0640, 0.2138, 0.2555 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(74, 198, 255) }
```

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

```
.border{ border-color:rgb(74, 198, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(74, 198,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0640, 0.2138, 0.2555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 198, 255) }
```

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

```
.background{ background-color: rgb(74, 198,  
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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