

Converting Colors

$Y_{xy}(49.1137, 0.2246, 0.2594)$

Have a look what the booklet for
Yxy(49.1137, 0.2246, 0.2594)
contains.

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Color

Yxy(49.2655, 0.2247, 0.2599)

Conversions

Conversions Part 1

Format	Color
Hex	67C4FA
RGB	103, 196, 250
RGB Percent	40%, 77%, 98%
CMY	0.5958, 0.2314, 0.0197
CMYK	0.59, 0.22, 0.00, 0.02
HSL	202°, 94%, 69%
HSV	202°, 59%, 98%
XYZ	42.5931, 49.2655, 97.6970
YIQ	174.3490, -72.7620, -2.9220

Conversions

Conversions Part 2

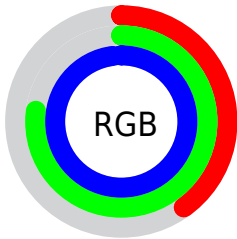
Format	Color
R _Y B	103, 160, 250
Decimal	6800634
CIE Lab	75.62, -12.27, -34.94
CIE LCh	76, 37.036, 250.644
Yxy	49.2655, 0.2247, 0.2599
Android (android.graphics.Color)	4284990714 (0xFF67C4FA)
YUV	174.3490, 37.2959, -62.5731
Hunter-Lab	70.1894, -14.5120, -33.3935

Details

The Yxy color **49.2655, 0.2247, 0.2599** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.4407, 0.4565, 0.3846**, and the grayscale version is **42.3587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3631, 0.2621, 0.3267**, and **23.4159, 0.2032, 0.2412** is the 20% darker color. If you saturate the color by 10%, you get **43.9835, 0.2130, 0.2457**, and if you desaturate by 10%, it is **55.2468, 0.2380, 0.2737**.

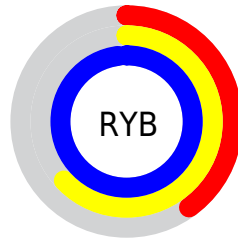
Distribution



Red (40%)

Green (77%)

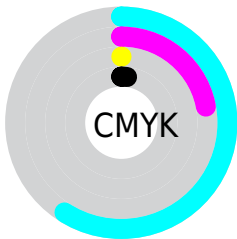
Blue (98%)



Red (40%)

Yellow (63%)

Blue (98%)

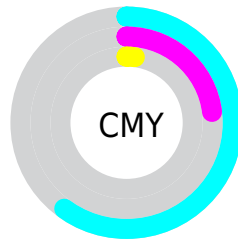


Cyan (59%)

Magenta (22%)

Yellow (0%)

Black (2%)



Cyan (60%)

Magenta (23%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2655, 0.2247, 0.2599 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 49.2655, 0.2247, 0.2599 by changing the saturation by 10% instead.

■ 49.2655, 0.2247,
0.2599

■ 49.2655, 0.2247,
0.2599

■ 383.7866, 0.2664,
0.2939

■ 34.8301, 0.2151,
0.2517

■ 89.0857, 0.2393,
0.2721

■ 23.5321, 0.2032,
0.2415

■ 115.2392, 0.2449,
0.2767

■ 14.9869, 0.1883,
0.2283

■ 146.0677, 0.2498,
0.2806

■ 8.8102, 0.1690,
0.2109

■ 181.9554, 0.2540,
0.2840

■ 4.6176, 0.1437,
0.1870

■ 223.2867, 0.2577,
0.2870

■ 2.0247, 0.1097,
0.1532

■ 270.4461, 0.2610,

■ 0.6217, 0.0482,

0.2896

0.1030

323.8179, 0.2639,
0.2919

0.0000, 0.0000,
0.0000

49.2655, 0.2247,
0.2599

49.2655, 0.2247,
0.2599

43.9835, 0.2130,
0.2457

55.2468, 0.2380,
0.2737

39.3502, 0.2032,
0.2313

61.9620, 0.2525,
0.2868

35.3145, 0.1956,
0.2170

69.4494, 0.2678,
0.2991

31.8017, 0.1899,
0.2032

77.7423, 0.2834,
0.3105

31.3934, 0.1893,
0.2015

86.8720, 0.2991,
0.3208

96.8677, 0.3146,
0.3301

99.6815, 0.3156,
0.3338

Harmonies

Analogous

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



49.2655, 0.2221, 0.2916



49.2655, 0.2247, 0.2599



49.2655, 0.2484, 0.2482

Triad

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



49.2655, 0.2247, 0.2599



49.2655, 0.3880, 0.3133



49.2655, 0.3289, 0.4181

Complementary

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



49.2655, 0.2247, 0.2599



45.4407, 0.4565, 0.3846

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.



49.2655, 0.3761, 0.4170



49.2655, 0.2247, 0.2599



49.2655, 0.4127, 0.3533

Square

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



49.2655, 0.2247, 0.2599



49.2655, 0.3416, 0.2787



49.2655, 0.4076, 0.3912



49.2655, 0.2796, 0.3885

Rectangle

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



49.2655, 0.2247, 0.2599



49.2655, 0.2745, 0.2511



49.2655, 0.4076, 0.3912



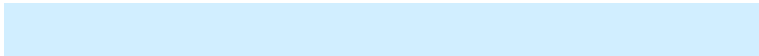
49.2655, 0.3456, 0.4211

Sweetspot

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



49.2673, 0.2247, 0.2599



82.0151, 0.2846, 0.3113



73.6850, 0.2810, 0.4514



16.9906, 0.2800, 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.



49.2673, 0.2247, 0.2599



44.8370, 0.2106, 0.2424



23.8725, 0.2031, 0.1621



18.4732, 0.2980, 0.3201



16.9378, 0.1899, 0.2037



1.7710, 0.1946, 0.2203

Inverse Universe

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



34.0231, 0.3762, 0.2360



29.8016, 0.3958, 0.2234



78.1198, 0.4071, 0.4525



17.4100, 0.3195, 0.3141



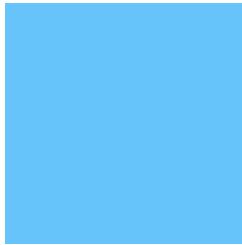
12.1208, 0.4411, 0.2204



1.1430, 0.4229, 0.2103

Previews

White Background



This preview shows how the Yxy color 49.2655, 0.2247, 0.2599 looks on a white background.

Color Contrast Check

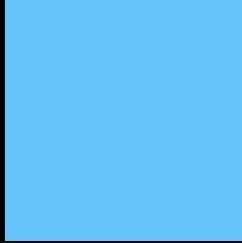
Large Text (above 18pt) WCAG AA × Fail

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 49.2655, 0.2247, 0.2599 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

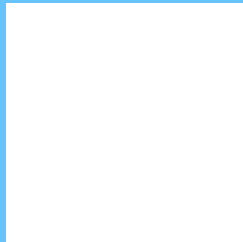
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.2655, 0.2247, 0.2599

Background



This preview shows how black text looks on a background with the Yxy color 49.2655, 0.2247, 0.2599.

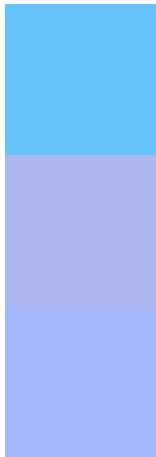


This preview shows how white text looks on a background with the Yxy color 49.2655, 0.2247, 0.2599.

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

49.2655, 0.2247, 0.2599

Protanopia

48.7043, 0.2630, 0.2602

Deuteranopia

48.9582, 0.2523, 0.2462



Tritanopia

49.4269, 0.2351, 0.3066

Trichromacy



Original Color

49.2655, 0.2247, 0.2599

Protanomaly

48.6091, 0.2465, 0.2595

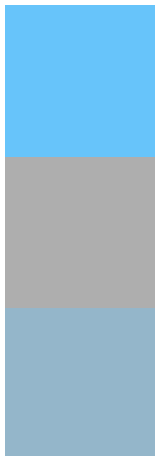
Deuteranomaly

48.7455, 0.2402, 0.2506

Tritanomaly

49.4014, 0.2309, 0.2884

Monochromacy



Original Color

49.2655, 0.2247, 0.2599

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.0161, 0.2714, 0.3017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2655, 0.2247, 0.2599 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(103, 196, 250)` looks like.

```
.text, #text, p{  
    color:rgb(103, 196, 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(103, 196, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 196, 250) }
```

Border

The CSS property to change the border of an element to Yxy 49.2655, 0.2247, 0.2599 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(103, 196, 250) }
```

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

```
.border{ border-color:rgb(103, 196, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 196, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 196, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 196, 250);  
box-shadow:4px 4px 4px 4px rgb(103, 196,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2655, 0.2247, 0.2599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 196, 250) }
```

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

```
.background{ background-color: rgb(103,  
196, 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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