

Converting Colors

$Y_{xy}(49.2589, 0.2227, 0.2619)$

Have a look what the booklet for
Yxy(49.2589, 0.2227, 0.2619)
contains.

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Color

Yxy(49.2589, 0.2227, 0.2619)

Conversions

Conversions Part 1

Format	Color
Hex	60C5F9
RGB	96, 197, 249
RGB Percent	38%, 77%, 98%
CMY	0.6238, 0.2274, 0.0235
CMYK	0.61, 0.21, 0.00, 0.02
HSL	200°, 93%, 68%
HSV	200°, 61%, 98%
XYZ	41.8861, 49.2589, 96.9379
YIQ	172.7290, -76.8880, -5.2400

Conversions

Conversions Part 2

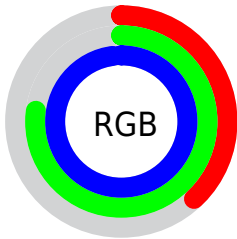
Format	Color
R _Y B	96, 157, 249
Decimal	6342137
CIE Lab	75.61, -14.39, -34.45
CIE LCh	76, 37.333, 247.334
Yxy	49.2589, 0.2227, 0.2619
Android (android.graphics.Color)	4284532217 (0xFF60C5F9)
YUV	172.7290, 37.6016, -67.2913
Hunter-Lab	70.1847, -16.2948, -32.7611

Details

The Yxy color **49.2589, 0.2227, 0.2619** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **42.1515, 0.4690, 0.3819**, and the grayscale version is **41.4724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3727, 0.2595, 0.3277**, and **23.4507, 0.2011, 0.2439** is the 20% darker color. If you saturate the color by 10%, you get **44.3827, 0.2119, 0.2488**, and if you desaturate by 10%, it is **54.7819, 0.2352, 0.2747**.

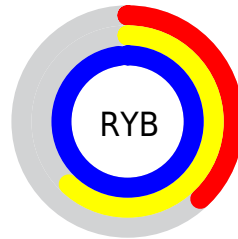
Distribution



Red (38%)

Green (77%)

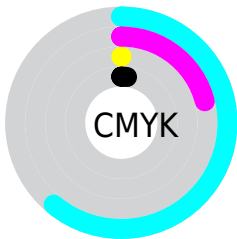
Blue (98%)



Red (38%)

Yellow (62%)

Blue (98%)

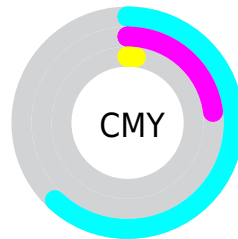


Cyan (61%)

Magenta (21%)

Yellow (0%)

Black (2%)



Cyan (62%)

Magenta (23%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.2589, 0.2227, 0.2619 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 49.2589, 0.2227, 0.2619 by changing the saturation by 10% instead.

■ 49.2589, 0.2227,
0.2619

■ 49.2589, 0.2227,
0.2619

■ 383.7607, 0.2653,
0.2951

■ 34.8249, 0.2129,
0.2539

■ 89.0759, 0.2376,
0.2738

■ 23.5280, 0.2008,
0.2438

■ 115.2276, 0.2434,
0.2783

■ 14.9839, 0.1856,
0.2308

■ 146.0540, 0.2483,
0.2822

■ 8.8081, 0.1660,
0.2135

■ 181.9396, 0.2526,
0.2855

■ 4.6162, 0.1403,
0.1897

■ 223.2686, 0.2564,
0.2884

■ 2.0239, 0.1060,
0.1559

■ 270.4256, 0.2597,

■ 0.6213, 0.0407,

0.2909

0.1057

323.7948, 0.2627,
0.2931

0.0000, 0.0000,
0.0000

49.2589, 0.2227,
0.2619

49.2589, 0.2227,
0.2619

44.3827, 0.2119,
0.2488

54.7819, 0.2352,
0.2747

40.1023, 0.2031,
0.2356

60.9862, 0.2491,
0.2869


36.3656, 0.1964,
0.2225


67.9096, 0.2639,
0.2985

33.5390, 0.1921,
0.2116

75.5850, 0.2793,
0.3091

84.0431, 0.2949,
0.3189

 93.3124, 0.3104,
0.3278

 99.6208, 0.3162,
0.3347

Harmonies

Analogous

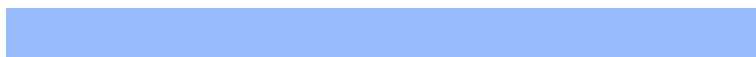
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.2589, 0.2225, 0.2959



49.2589, 0.2227, 0.2619



49.2589, 0.2443, 0.2479

Triad

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



49.2589, 0.2227, 0.2619



49.2589, 0.3842, 0.3089



49.2589, 0.3346, 0.4203

Complementary

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



49.2589, 0.2227, 0.2619



42.1515, 0.4690, 0.3819

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.



49.2589, 0.3811, 0.4158



49.2589, 0.2227, 0.2619



49.2589, 0.4122, 0.3489

Square

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



49.2589, 0.2227, 0.2619



49.2589, 0.3360, 0.2750



49.2589, 0.4104, 0.3878



49.2589, 0.2845, 0.3936

Rectangle

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



49.2589, 0.2227, 0.2619



49.2589, 0.2694, 0.2495



49.2589, 0.4104, 0.3878



49.2589, 0.3512, 0.4221

Sweetspot

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



49.2607, 0.2227, 0.2619



82.7601, 0.2847, 0.3126



72.3526, 0.2826, 0.4651



17.1731, 0.2801, 0.3097



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.



49.2607, 0.2227, 0.2619



45.6006, 0.2094, 0.2453



23.1097, 0.1994, 0.1599



18.5571, 0.2980, 0.3207



18.2237, 0.1927, 0.2137



1.8842, 0.1970, 0.2291

Inverse Universe

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



32.5299, 0.3752, 0.2288



28.9481, 0.3937, 0.2167



74.0332, 0.4141, 0.4528



17.4185, 0.3190, 0.3135



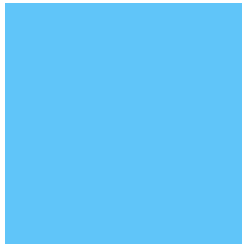
12.2506, 0.4301, 0.2143



1.1544, 0.4136, 0.2052

Previews

White Background



This preview shows how the Yxy color 49.2589, 0.2227, 0.2619 looks on a white background.

Color Contrast Check

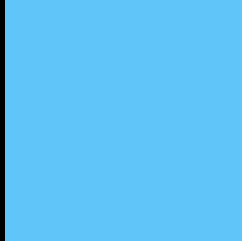
Large Text (above 18pt) WCAG AA × Fail

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 49.2589, 0.2227, 0.2619 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

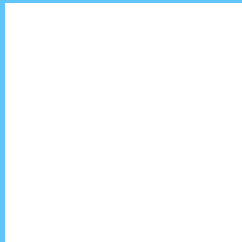
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.2589, 0.2227, 0.2619

Background



This preview shows how black text looks on a background with the Yxy color 49.2589, 0.2227, 0.2619.



This preview shows how white text looks on a background with the Yxy color 49.2589, 0.2227, 0.2619.

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

49.2589, 0.2227, 0.2619

Protanopia

48.7569, 0.2643, 0.2614

Deuteranopia

48.8946, 0.2529, 0.2472



Tritanopia

49.1494, 0.2321, 0.3051

Trichromacy



Original Color

49.2589, 0.2227, 0.2619

Protanomaly

48.3668, 0.2458, 0.2604

Deuteranomaly

48.5069, 0.2395, 0.2514

Tritanomaly

49.0480, 0.2284, 0.2882

Monochromacy



Original Color

49.2589, 0.2227, 0.2619

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.6927, 0.2699, 0.3028

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2589, 0.2227, 0.2619 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(96, 197, 249)` looks like.

```
.text, #text, p{  
    color:rgb(96, 197, 249)  
}
```

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(96, 197, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 197, 249) }
```

Border

The CSS property to change the border of an element to Yxy 49.2589, 0.2227, 0.2619 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(96, 197, 249) }
```

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

```
.border{ border-color:rgb(96, 197, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 197, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 197, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 197, 249);  
box-shadow:4px 4px 4px 4px rgb(96, 197,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2589, 0.2227, 0.2619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 197, 249) }
```

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

```
.background{ background-color: rgb(96, 197,  
249) }
```

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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