

Converting Colors

$Yxy(49.8547, 0.2275, 0.2626)$

Have a look what the booklet for
Yxy(49.8547, 0.2275, 0.2626)
contains.

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Color

Yxy(49.9602, 0.2274, 0.2627)

Conversions

Conversions Part 1

Format	Color
Hex	6CC5F9
RGB	108, 197, 249
RGB Percent	42%, 77%, 98%
CMY	0.5765, 0.2274, 0.0236
CMYK	0.57, 0.21, 0.00, 0.02
HSL	202°, 92%, 70%
HSV	202°, 57%, 98%
XYZ	43.2469, 49.9602, 96.9726
YIQ	176.3170, -69.7360, -2.6960

Conversions

Conversions Part 2

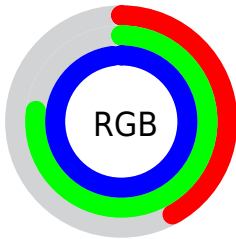
Format	Color
R _Y B	108, 163, 249
Decimal	7128569
CIE Lab	76.04, -12.17, -33.73
CIE LCh	76, 35.856, 250.151
Yxy	49.9602, 0.2274, 0.2627
Android (android.graphics.Color)	4285318649 (0xFF6CC5F9)
YUV	176.3170, 35.8327, -59.9140
Hunter-Lab	70.6825, -14.4798, -31.8649

Details

The Yxy color **49.9602, 0.2274, 0.2627** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.3542, 0.4492, 0.3832**, and the grayscale version is **43.4275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4285, 0.2641, 0.3278**, and **23.8440, 0.2065, 0.2449** is the 20% darker color. If you saturate the color by 10%, you get **44.5745, 0.2153, 0.2485**, and if you desaturate by 10%, it is **56.0490, 0.2410, 0.2764**.

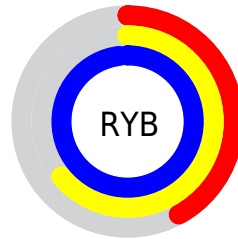
Distribution



Red (42%)

Green (77%)

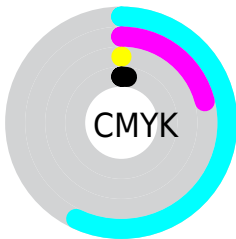
Blue (98%)



Red (42%)

Yellow (64%)

Blue (98%)

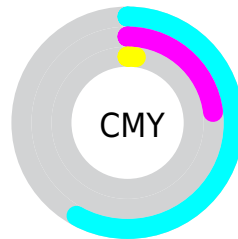


Cyan (57%)

Magenta (21%)

Yellow (0%)

Black (2%)



Cyan (58%)

Magenta (23%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9602, 0.2274, 0.2627 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 49.9602, 0.2274, 0.2627 by changing the saturation by 10% instead.

■ 49.9602, 0.2274,
0.2627

■ 49.9602, 0.2274,
0.2627

■ 386.5103, 0.2679,
0.2954

■ 35.3818, 0.2181,
0.2549

■ 90.1159, 0.2415,
0.2744

■ 23.9571, 0.2066,
0.2450

■ 116.4620, 0.2470,
0.2788

■ 15.3018, 0.1920,
0.2323

■ 147.4994, 0.2517,
0.2826

■ 9.0315, 0.1733,
0.2155

■ 183.6125, 0.2558,
0.2858

■ 4.7617, 0.1485,
0.1924

■ 225.1858, 0.2594,
0.2887

■ 2.1081, 0.1150,
0.1595

■ 272.6036, 0.2625,

■ 0.6692, 0.0562,

0.2912

0.1109

326.2503, 0.2653,
0.2934

■ 0.0000, 0.0000,
0.0000

■ 49.9602, 0.2274,
0.2627

■ 49.9602, 0.2274,
0.2627

■ 44.5745, 0.2153,
0.2485

■ 56.0490, 0.2410,
0.2764

■ 39.8430, 0.2051,
0.2341

■ 62.8744, 0.2557,
0.2894

■ 35.7170, 0.1969,
0.2197

■ 70.4734, 0.2711,
0.3016

■ 32.1341, 0.1909,
0.2057

■ 78.8788, 0.2868,
0.3127

■ 31.0160, 0.1892,
0.2011

■ 88.1210, 0.3025,
0.3229

97.7722, 0.3164,
0.3320

99.6186, 0.3162,
0.3347

Harmonies

Analogous

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



49.9602, 0.2252, 0.2938



49.9602, 0.2274, 0.2627



49.9602, 0.2501, 0.2509

Triad

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



49.9602, 0.2274, 0.2627



49.9602, 0.3846, 0.3134



49.9602, 0.3293, 0.4149

Complementary

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



49.9602, 0.2274, 0.2627



46.3542, 0.4492, 0.3832

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.



49.9602, 0.3746, 0.4136



49.9602, 0.2274, 0.2627



49.9602, 0.4089, 0.3521

Square

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



49.9602, 0.2274, 0.2627



49.9602, 0.3398, 0.2799



49.9602, 0.4046, 0.3887



49.9602, 0.2817, 0.3868

Rectangle

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



49.9602, 0.2274, 0.2627



49.9602, 0.2752, 0.2534



49.9602, 0.4046, 0.3887



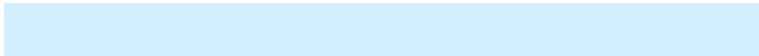
49.9602, 0.3454, 0.4177

Sweetspot

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



49.9620, 0.2274, 0.2627



82.9083, 0.2862, 0.3123



73.4573, 0.2816, 0.4461



17.3502, 0.2830, 0.3101



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.



49.9620, 0.2274, 0.2627



46.2881, 0.2137, 0.2464



25.1537, 0.2072, 0.1690



18.4697, 0.2980, 0.3200



16.8855, 0.1898, 0.2033



1.7664, 0.1945, 0.2200

Inverse Universe

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



34.8938, 0.3731, 0.2389



30.9991, 0.3912, 0.2261



77.9171, 0.4040, 0.4489



17.4096, 0.3195, 0.3141



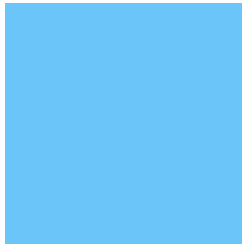
12.1155, 0.4416, 0.2206



1.1425, 0.4233, 0.2105

Previews

White Background



This preview shows how the Yxy color 49.9602, 0.2274, 0.2627 looks on a white background.

Color Contrast Check

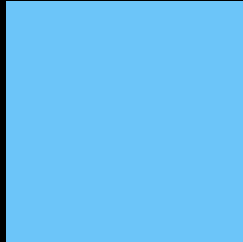
Large Text (above 18pt) WCAG AA × Fail

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 49.9602, 0.2274, 0.2627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

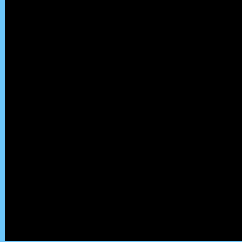
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

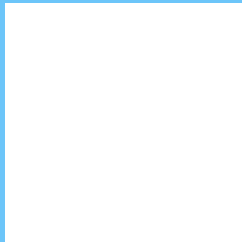
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9602, 0.2274, 0.2627

Background



This preview shows how black text looks on a background with the Yxy color 49.9602, 0.2274, 0.2627.



This preview shows how white text looks on a background with the Yxy color 49.9602, 0.2274, 0.2627.

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

49.9602, 0.2274, 0.2627

Protanopia

49.3429, 0.2645, 0.2617

Deuteranopia

49.6341, 0.2549, 0.2488



Tritanopia

49.8423, 0.2374, 0.3055

Trichromacy



Original Color

49.9602, 0.2274, 0.2627

Protanomaly

49.2558, 0.2490, 0.2622

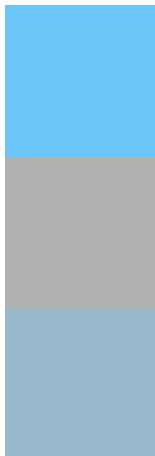
Deuteranomaly

49.4712, 0.2431, 0.2534

Tritanomaly

49.7310, 0.2333, 0.2887

Monochromacy



Original Color

49.9602, 0.2274, 0.2627

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

45.1721, 0.2732, 0.3033

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9602, 0.2274, 0.2627 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, 197, 249)` looks like.

```
.text, #text, p{  
    color:rgb(108, 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(108, 197, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 197, 249) }
```

Border

The CSS property to change the border of an element to Yxy 49.9602, 0.2274, 0.2627 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, 197, 249) }
```

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

```
.border{ border-color:rgb(108, 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(108, 197, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 197, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 197, 249);  
box-shadow:4px 4px 4px 4px rgb(108, 197,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9602, 0.2274, 0.2627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 197, 249) }
```

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

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