

Converting Colors

$Yxy(49.4619, 0.2297, 0.2859)$

Have a look what the booklet for
Yxy(49.4619, 0.2297, 0.2859)
contains.

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Color

Yxy(49.4619, 0.2297, 0.2859)

Conversions

Conversions Part 1

Format	Color
Hex	5DC8E8
RGB	93, 200, 232
RGB Percent	36%, 78%, 91%
CMY	0.6351, 0.2157, 0.0902
CMYK	0.60, 0.14, 0.00, 0.09
HSL	194°, 75%, 64%
HSV	194°, 60%, 91%
XYZ	39.7391, 49.4619, 83.8032
YIQ	171.6550, -74.0440, -12.7320

Conversions

Conversions Part 2

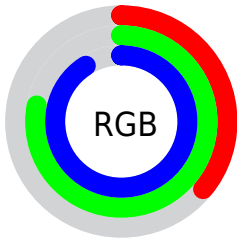
Format	Color
RYB	93, 153, 232
Decimal	6146280
CIELab	75.74, -21.54, -25.12
CIELCh	76, 33.091, 229.380
Yxy	49.4619, 0.2297, 0.2859
Android (android.graphics.Color)	4284336360 (0xFF5DC8E8)
YUV	171.6550, 29.7501, -68.9804
Hunter-Lab	70.3292, -22.2157, -21.4187

Details

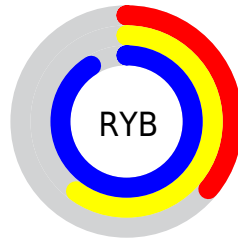
The Yxy color **49.4619, 0.2297, 0.2859** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **32.6354, 0.4752, 0.3640**, and the grayscale version is **40.9553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **23.6924, 0.2094, 0.2739** is the 20% darker color. If you saturate the color by 10%, you get **45.9973, 0.2202, 0.2774**, and if you desaturate by 10%, it is **53.3839, 0.2409, 0.2942**.

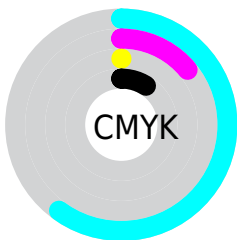
Distribution



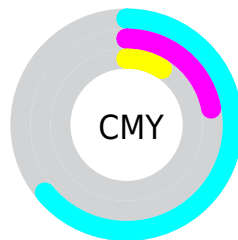
- Red (36%)
- Green (78%)
- Blue (91%)



- Red (36%)
- Yellow (60%)
- Blue (91%)



- Cyan (60%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)



- Cyan (64%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4619, 0.2297, 0.2859 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 49.4619, 0.2297, 0.2859 by changing the saturation by 10% instead.

■ 49.4619, 0.2297,
0.2859

■ 49.4619, 0.2297,
0.2859

■ 384.5579, 0.2693,
0.3080

■ 34.9860, 0.2205,
0.2803

■ 89.3771, 0.2436,
0.2940

■ 23.6521, 0.2090,
0.2731

■ 115.5852, 0.2490,
0.2970

■ 15.0758, 0.1945,
0.2636

■ 146.4728, 0.2536,
0.2996

■ 8.8726, 0.1755,
0.2505

■ 182.4244, 0.2575,
0.3018

■ 4.6582, 0.1500,
0.2314

■ 223.8243, 0.2610,
0.3037

■ 2.0481, 0.1148,
0.2020

■ 271.0569, 0.2641,

■ 0.6352, 0.0192,

0.3053

0.1568

324.5067, 0.2668,
0.3068

0.0000, 0.0000,
0.0000

49.4619, 0.2297,
0.2859

49.4619, 0.2297,
0.2859

45.9973, 0.2202,
0.2774

53.3839, 0.2409,
0.2942

42.9494, 0.2127,
0.2688

57.7889, 0.2536,
0.3022

40.2783, 0.2072,
0.2602

62.7064, 0.2675,
0.3097

37.9138, 0.2033,
0.2518

68.1619, 0.2822,
0.3167

37.8884, 0.2033,
0.2517

74.1791, 0.2975,
0.3232

80.7798, 0.3129,
0.3291

87.8958, 0.3279,
0.3344

91.0449, 0.3274,
0.3396

94.2870, 0.3269,
0.3447

Harmonies

Analogous

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



49.4619, 0.2416, 0.3253



49.4619, 0.2297, 0.2859



49.4619, 0.2378, 0.2621

Triad

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



49.4619, 0.2297, 0.2859



49.4619, 0.3518, 0.2920



49.4619, 0.3585, 0.4104

Complementary

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



49.4619, 0.2297, 0.2859



32.6354, 0.4752, 0.3640

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.



49.4619, 0.3916, 0.3936



49.4619, 0.2297, 0.2859



49.4619, 0.3887, 0.3256

Square

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



49.4619, 0.2297, 0.2859



49.4619, 0.3057, 0.2673



49.4619, 0.4034, 0.3620



49.4619, 0.3145, 0.4028

Rectangle

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



49.4619, 0.2297, 0.2859



49.4619, 0.2537, 0.2563



49.4619, 0.4034, 0.3620



49.4619, 0.3713, 0.4071

Sweetspot

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



49.4637, 0.2297, 0.2859



85.7470, 0.2849, 0.3179



61.4836, 0.2907, 0.4835



17.9072, 0.2805, 0.3160



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.



49.4637, 0.2297, 0.2859



56.0113, 0.2182, 0.2753



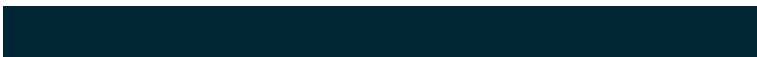
24.7766, 0.2078, 0.1879



15.7437, 0.2981, 0.3235



21.2319, 0.2036, 0.2531



1.7065, 0.2071, 0.2654

Inverse Universe

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



29.1670, 0.3540, 0.2168



30.6063, 0.3655, 0.2016



55.9305, 0.4222, 0.4353



14.5554, 0.3173, 0.3111



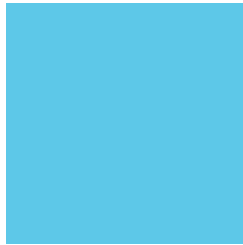
11.3411, 0.3892, 0.1918



0.8519, 0.3772, 0.1851

Previews

White Background



This preview shows how the Yxy color 49.4619, 0.2297, 0.2859 looks on a white background.

Color Contrast Check

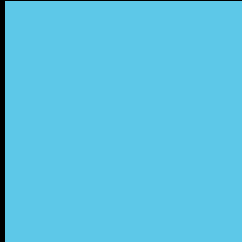
Large Text (above 18pt) WCAG AA × Fail

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 49.4619, 0.2297, 0.2859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

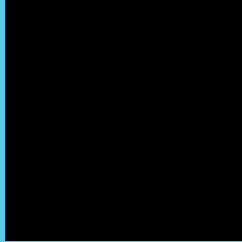
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.4619, 0.2297, 0.2859

Background



This preview shows how black text looks on a background with the Yxy color 49.4619, 0.2297, 0.2859.

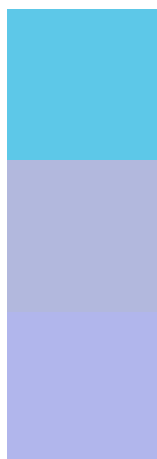


This preview shows how white text looks on a background with the Yxy color 49.4619, 0.2297, 0.2859.

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

49.4619, 0.2297, 0.2859

Protanopia

48.9664, 0.2809, 0.2833

Deuteranopia

48.8591, 0.2703, 0.2641



Tritanopia

49.3818, 0.2339, 0.3053

Trichromacy



Original Color

49.4619, 0.2297, 0.2859

Protanomaly

48.4662, 0.2579, 0.2838

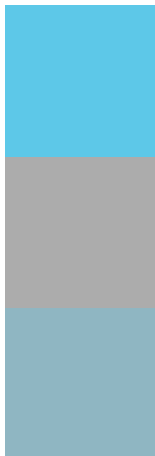
Deuteranomaly

48.5043, 0.2515, 0.2708

Tritanomaly

49.2790, 0.2320, 0.2973

Monochromacy



Original Color

49.4619, 0.2297, 0.2859

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

43.1906, 0.2731, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4619, 0.2297, 0.2859 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(93, 200, 232)` looks like.

```
.text, #text, p{  
    color:rgb(93, 200, 232)  
}
```

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(93, 200, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 200, 232) }
```

Border

The CSS property to change the border of an element to Yxy 49.4619, 0.2297, 0.2859 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(93, 200, 232) }
```

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

```
.border{ border-color:rgb(93, 200, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 200, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 200, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 200, 232);  
box-shadow:4px 4px 4px 4px rgb(93, 200,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4619, 0.2297, 0.2859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 200, 232) }
```

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

```
.background{ background-color: rgb(93, 200,  
232) }
```

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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