

Converting Colors

$Y_{xy}(49.1032, 0.2310, 0.2859)$

Have a look what the booklet for
Yxy(49.1032, 0.2310, 0.2859)
contains.

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Color

Yxy(49.1032, 0.2310, 0.2859)

Conversions

Conversions Part 1

Format	Color
Hex	60C7E7
RGB	96, 199, 231
RGB Percent	38%, 78%, 91%
CMY	0.6232, 0.2196, 0.0942
CMYK	0.58, 0.14, 0.00, 0.09
HSL	194°, 74%, 64%
HSV	194°, 58%, 91%
XYZ	39.6741, 49.1032, 82.9722
YIQ	171.8510, -71.6600, -11.8840

Conversions

Conversions Part 2

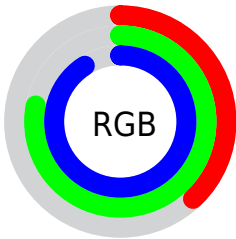
Format	Color
R _Y B	96, 154, 231
Decimal	6342631
CIE Lab	75.52, -20.79, -24.89
CIE LCh	76, 32.432, 230.134
Yxy	49.1032, 0.2310, 0.2859
Android (android.graphics.Color)	4284532711 (0xFF60C7E7)
YUV	171.8510, 29.1605, -66.5213
Hunter-Lab	70.0737, -21.5662, -21.1520

Details

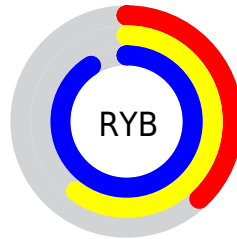
The Yxy color **49.1032, 0.2310, 0.2859** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **33.2853, 0.4685, 0.3645**, and the grayscale version is **41.0625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **23.4315, 0.2106, 0.2738** is the 20% darker color. If you saturate the color by 10%, you get **45.5549, 0.2212, 0.2771**, and if you desaturate by 10%, it is **53.1138, 0.2426, 0.2944**.

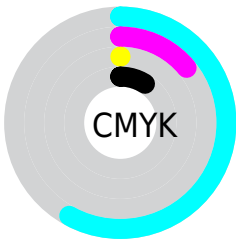
Distribution



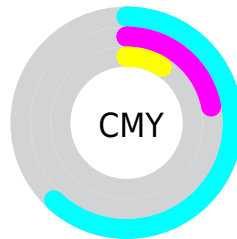
- Red (38%)
- Green (78%)
- Blue (91%)



- Red (38%)
- Yellow (60%)
- Blue (91%)



- Cyan (58%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)





- Cyan (62%)
- Magenta (22%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1032, 0.2310, 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 49.1032, 0.2310, 0.2859 by changing the saturation by 10% instead.


 49.1032, 0.2310,
0.2859


 49.1032, 0.2310,
0.2859


383.1485, 0.2700,
0.3080

 34.7014, 0.2219,
0.2803


 88.8447, 0.2447,
0.2940

 23.4329, 0.2105,
0.2731


 114.9532, 0.2500,
0.2970

 14.9135, 0.1961,
0.2636


 145.7326, 0.2546,
0.2996

 8.7587, 0.1773,
0.2505

 181.5674, 0.2585,
0.3018

 4.5841, 0.1518,
0.2314

222.8420, 0.2619,
0.3037

 2.0054, 0.1166,
0.2019

269.9408, 0.2649,

 0.6106, 0.0186,

0.3053

0.1555

323.2481, 0.2676,
0.3067

0.0000, 0.0000,
0.0000

49.1032, 0.2310,
0.2859

49.1032, 0.2310,
0.2859

45.5549, 0.2212,
0.2771

53.1138, 0.2426,
0.2944

42.4293, 0.2132,
0.2683

57.6115, 0.2555,
0.3026

39.6881, 0.2073,
0.2594

62.6253, 0.2696,
0.3102

37.2734, 0.2032,
0.2507

68.1802, 0.2845,
0.3174

36.9054, 0.2026,
0.2493

74.2993, 0.2997,
0.3240

81.0042, 0.3152,
0.3299

87.7876, 0.3286,
0.3353

91.0131, 0.3280,
0.3406

94.3363, 0.3275,
0.3459

Harmonies

Analogous

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



49.1032, 0.2422, 0.3243



49.1032, 0.2310, 0.2859



49.1032, 0.2394, 0.2629

Triad

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



49.1032, 0.2310, 0.2859



49.1032, 0.3522, 0.2934



49.1032, 0.3568, 0.4091

Complementary

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



49.1032, 0.2310, 0.2859



33.2853, 0.4685, 0.3645

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.



49.1032, 0.3897, 0.3932



49.1032, 0.2310, 0.2859



49.1032, 0.3880, 0.3266

Square

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



49.1032, 0.2310, 0.2859



49.1032, 0.3070, 0.2688



49.1032, 0.4018, 0.3624



49.1032, 0.3134, 0.4009

Rectangle

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



49.1032, 0.2310, 0.2859



49.1032, 0.2554, 0.2574



49.1032, 0.4018, 0.3624



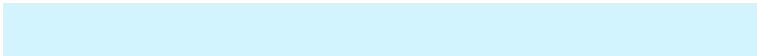
49.1032, 0.3695, 0.4061

Sweetspot

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



49.1050, 0.2310, 0.2859



85.5624, 0.2849, 0.3176



61.1783, 0.2899, 0.4759



17.8618, 0.2805, 0.3156



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.



49.1050, 0.2310, 0.2859



56.2057, 0.2194, 0.2754



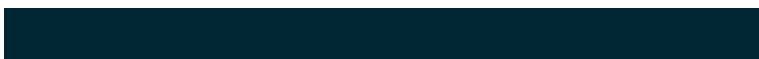
24.7757, 0.2097, 0.1888



15.7268, 0.2981, 0.3233



20.8941, 0.2030, 0.2507



1.6841, 0.2065, 0.2635

Inverse Universe

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



29.4887, 0.3537, 0.2198



31.2860, 0.3650, 0.2045



56.8642, 0.4178, 0.4353



14.5537, 0.3174, 0.3112



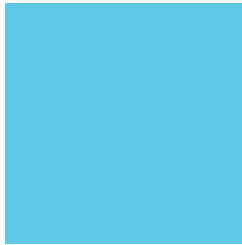
11.3070, 0.3915, 0.1930



0.8497, 0.3790, 0.1862

Previews

White Background



This preview shows how the Yxy color 49.1032, 0.2310, 0.2859 looks on a white background.

Color Contrast Check

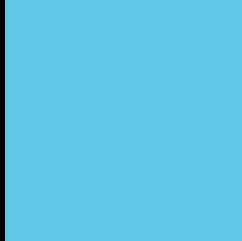
Large Text (above 18pt) WCAG AA × Fail

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 49.1032, 0.2310, 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 49.1032, 0.2310, 0.2859

Background



This preview shows how black text looks on a background with the Yxy color 49.1032, 0.2310, 0.2859.



This preview shows how white text looks on a background with the Yxy color 49.1032, 0.2310, 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

49.1032, 0.2310, 0.2859

Protanopia

48.3814, 0.2808, 0.2831

Deuteranopia

48.3930, 0.2708, 0.2639



Tritanopia

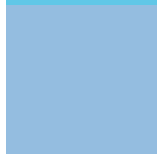
49.0089, 0.2352, 0.3052

Trichromacy



Original Color

49.1032, 0.2310, 0.2859



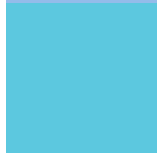
Protanomaly

48.0729, 0.2589, 0.2837



Deuteranomaly

48.2029, 0.2530, 0.2708



Tritanomaly

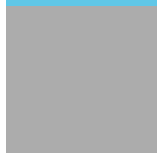
48.9116, 0.2333, 0.2973

Monochromacy



Original Color

49.1032, 0.2310, 0.2859



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.2354, 0.2745, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1032, 0.2310, 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(96, 199, 231)` looks like.

```
.text, #text, p{  
    color:rgb(96, 199, 231)  
}
```

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, 199, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 199, 231) }
```

Border

The CSS property to change the border of an element to Yxy 49.1032, 0.2310, 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(96, 199, 231) }
```

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

```
.border{ border-color:rgb(96, 199, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 199, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 199, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 199, 231);  
box-shadow:4px 4px 4px 4px rgb(96, 199,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1032, 0.2310, 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(96, 199, 231) }
```

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

```
.background{ background-color: rgb(96, 199,  
231) }
```

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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