

Converting Colors

$Yxy(49.6733, 0.2647, 0.2878)$

Have a look what the booklet for
Yxy(49.6733, 0.2647, 0.2878)
contains.

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Color

Yxy(49.6572, 0.2650, 0.2882)

Conversions

Conversions Part 1

Format	Color
Hex	9CBFDF
RGB	156, 191, 223
RGB Percent	61%, 75%, 87%
CMY	0.3882, 0.2510, 0.1255
CMYK	0.30, 0.14, 0.00, 0.13
HSL	209°, 51%, 74%
HSV	209°, 30%, 87%
XYZ	45.6598, 49.6572, 76.9842
YIQ	184.1830, -31.1320, 2.5320

Conversions

Conversions Part 2

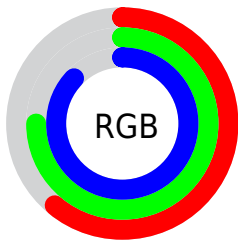
Format	Color
R _Y B	156, 179, 223
Decimal	10272735
CIE Lab	75.86, -4.35, -19.80
CIE LCh	76, 20.269, 257.613
Yxy	49.6572, 0.2650, 0.2882
Android (android.graphics.Color)	4288462815 (0xFF9CBDFD)
YUV	184.1830, 19.1368, -24.7165
Hunter-Lab	70.4679, -7.6593, -15.4452

Details

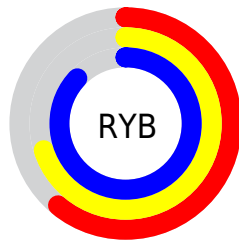
The Yxy color $49.6572, 0.2650, 0.2882$ is a light color, and the websafe version is hex $99CCFF$. A complement of this color would be $54.0512, 0.3689, 0.3665$, and the grayscale version is $47.9455, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.7386, 0.2868, 0.3207$, and $23.8877, 0.2525, 0.2773$ is the 20% darker color. If you saturate the color by 10%, you get $43.1578, 0.2489, 0.2719$, and if you desaturate by 10%, it is $56.9067, 0.2812, 0.3032$.

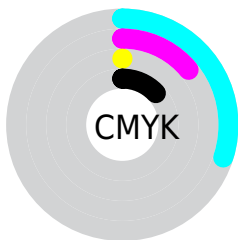
Distribution



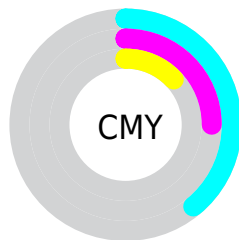
- Red (61%)
- Green (75%)
- Blue (87%)



- Red (61%)
- Yellow (70%)
- Blue (87%)



- Cyan (30%)
- Magenta (14%)
- Yellow (0%)
- Black (13%)




- Cyan (39%)
- Magenta (25%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6572, 0.2650, 0.2882 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 49.6572, 0.2650, 0.2882 by changing the saturation by 10% instead.

 49.6572, 0.2650,
0.2882


 49.6572, 0.2650,
0.2882

385.3239, 0.2882,
0.3083

 35.1411, 0.2594,
0.2833


 89.6668, 0.2733,
0.2954

 23.7716, 0.2524,
0.2770


 115.9290, 0.2764,
0.2982

 15.1643, 0.2432,
0.2689


146.8754, 0.2791,
0.3005

 8.9348, 0.2309,
0.2577

182.8904, 0.2814,
0.3025

 4.6986, 0.2136,
0.2417

224.3583, 0.2835,
0.3043

 2.0716, 0.1874,
0.2172

271.6636, 0.2852,

 0.6486, 0.1363,

0.3058

0.1732

325.1907, 0.2868,
0.3071

0.0000, 0.0000,
0.0000

49.6572, 0.2650,
0.2882

49.6572, 0.2650,
0.2882

43.1578, 0.2489,
0.2719

56.9067, 0.2812,
0.3032

37.3729, 0.2332,
0.2545

64.9278, 0.2972,
0.3168

32.2728, 0.2186,
0.2363

73.7486, 0.3127,
0.3290

27.8223, 0.2054,
0.2176

83.3936, 0.3274,
0.3398

23.9825, 0.1943,
0.1988

91.4376, 0.3329,
0.3499

■ 20.7080, 0.1854,
0.1806

■ 98.0409, 0.3316,
0.3601

■ 17.9351, 0.1787,
0.1634

■ 98.1073, 0.3316,
0.3601

Harmonies

Analogous

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



49.6572, 0.2606, 0.3046



49.6572, 0.2650, 0.2882



49.6572, 0.2817, 0.2830

Triad

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



49.6572, 0.2650, 0.2882



49.6572, 0.3579, 0.3264



49.6572, 0.3162, 0.3735

Complementary

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



49.6572, 0.2650, 0.2882



54.0512, 0.3689, 0.3665

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.



49.6572, 0.3430, 0.3782



49.6572, 0.2650, 0.2882



49.6572, 0.3679, 0.3496

Square

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



49.6572, 0.2650, 0.2882



49.6572, 0.3353, 0.3048



49.6572, 0.3622, 0.3688



49.6572, 0.2893, 0.3551

Rectangle

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



49.6572, 0.2650, 0.2882



49.6572, 0.2981, 0.2860



49.6572, 0.3622, 0.3688



49.6572, 0.3256, 0.3768

Sweetspot

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



49.6592, 0.2650, 0.2882



89.1100, 0.2987, 0.3180



63.4391, 0.2899, 0.3746



18.7145, 0.2964, 0.3161



0.0000, 0.0000, 0.0000



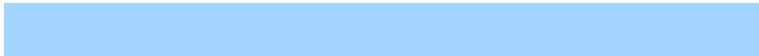
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.6592, 0.2650, 0.2882



61.6969, 0.2549, 0.2782



36.9310, 0.2601, 0.2444



14.4223, 0.2981, 0.3175



10.7744, 0.1794, 0.1659



0.9259, 0.1869, 0.1929

Inverse Universe

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



43.2274, 0.3451, 0.2885



52.2368, 0.3543, 0.2798



69.6733, 0.3586, 0.4015



13.8196, 0.3211, 0.3168



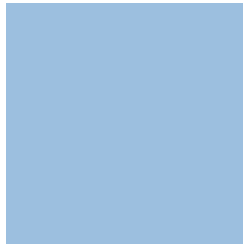
9.9957, 0.4857, 0.2449



0.7109, 0.4534, 0.2271

Previews

White Background



This preview shows how the Yxy color 49.6572, 0.2650, 0.2882 looks on a white background.

Color Contrast Check

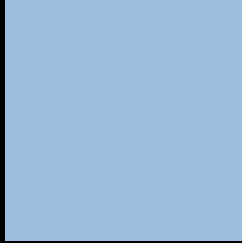
Large Text (above 18pt) WCAG AA × Fail

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 49.6572, 0.2650, 0.2882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

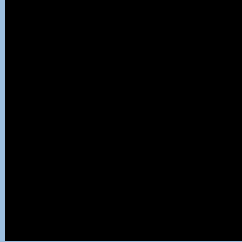
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

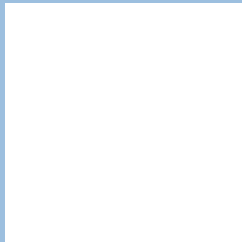
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.6572, 0.2650, 0.2882

Background



This preview shows how black text looks on a background with the Yxy color 49.6572, 0.2650, 0.2882.



This preview shows how white text looks on a background with the Yxy color 49.6572, 0.2650, 0.2882.

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

49.6572, 0.2650, 0.2882

Protanopia

49.5157, 0.2839, 0.2871

Deuteranopia

49.3312, 0.2841, 0.2772



Tritanopia

49.5157, 0.2719, 0.3079

Trichromacy



Original Color

49.6572, 0.2650, 0.2882

Protanomaly

49.3659, 0.2767, 0.2877

Deuteranomaly

49.1937, 0.2768, 0.2809

Tritanomaly

49.4243, 0.2693, 0.3003

Monochromacy



Original Color

49.6572, 0.2650, 0.2882

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.6165, 0.2941, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6572, 0.2650, 0.2882 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(156, 191, 223)` looks like.

```
.text, #text, p{  
    color:rgb(156, 191, 223)  
}
```

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(156, 191, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 191, 223) }
```

Border

The CSS property to change the border of an element to Yxy 49.6572, 0.2650, 0.2882 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(156, 191, 223) }
```

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

```
.border{ border-color:rgb(156, 191, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 191, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 191, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 191, 223);  
box-shadow:4px 4px 4px 4px rgb(156, 191,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6572, 0.2650, 0.2882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 191, 223) }
```

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

```
.background{ background-color: rgb(156,  
191, 223) }
```

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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