

Converting Colors

$Y_{xy}(52.0886, 0.2596, 0.3004)$

Have a look what the booklet for
Yxy(52.0886, 0.2596, 0.3004)
contains.

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Color

Yxy(51.9966, 0.2599, 0.3005)

Conversions

Conversions Part 1

Format	Color
Hex	90C7DD
RGB	144, 199, 221
RGB Percent	56%, 78%, 87%
CMY	0.4354, 0.2196, 0.1334
CMYK	0.35, 0.10, 0.00, 0.13
HSL	197°, 53%, 72%
HSV	197°, 35%, 87%
XYZ	44.9714, 51.9966, 76.0656
YIQ	185.0630, -39.8420, -4.8180

Conversions

Conversions Part 2

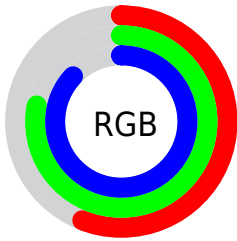
Format	Color
RYB	144, 176, 221
Decimal	9488349
CIELab	77.28, -12.45, -16.64
CIELCh	77, 20.778, 233.194
Yxy	51.9966, 0.2599, 0.3005
Android (android.graphics.Color)	4287678429 (0xFF90C7DD)
YUV	185.0630, 17.7169, -36.0123
Hunter-Lab	72.1087, -14.8665, -12.0674

Details

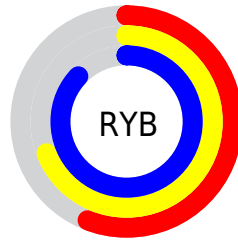
The Yxy color **51.9966, 0.2599, 0.3005** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.6401, 0.3861, 0.3555**, and the grayscale version is **48.4669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0194, 0.2805, 0.3289**, and **25.1776, 0.2462, 0.2920** is the 20% darker color. If you saturate the color by 10%, you get **47.3573, 0.2460, 0.2908**, and if you desaturate by 10%, it is **57.1497, 0.2746, 0.3096**.

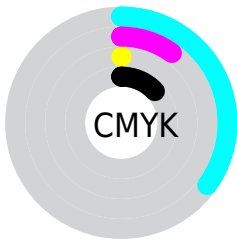
Distribution



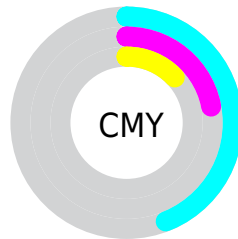
- Red (56%)
- Green (78%)
- Blue (87%)



- Red (56%)
- Yellow (69%)
- Blue (87%)



- Cyan (35%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)




- Cyan (44%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.9966, 0.2599, 0.3005 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 51.9966, 0.2599, 0.3005 by changing the saturation by 10% instead.

 51.9966, 0.2599,
0.3005


 51.9966, 0.2599,
0.3005


394.4235, 0.2853,
0.3148

 37.0024, 0.2539,
0.2969


 93.1262, 0.2689,
0.3057

 25.2093, 0.2463,
0.2924


 120.0304, 0.2724,
0.3077

 16.2331, 0.2365,
0.2863


151.6734, 0.2753,
0.3093

 9.6892, 0.2235,
0.2779

188.4395, 0.2778,
0.3107

 5.1934, 0.2053,
0.2657

230.7131, 0.2801,
0.3120

 2.3612, 0.1782,
0.2462

278.8788, 0.2820,

 0.8058, 0.1229,

0.3130

0.2144

333.3208, 0.2838,
0.3140

0.0000, 0.0000,
0.0000

51.9966, 0.2599,
0.3005

51.9966, 0.2599,
0.3005

47.3573, 0.2460,
0.2908

57.1497, 0.2746,
0.3096

43.2015, 0.2333,
0.2806

62.8330, 0.2899,
0.3179

39.5044, 0.2221,
0.2700

69.0692, 0.3053,
0.3256

36.2364, 0.2128,
0.2592

75.8780, 0.3206,
0.3325

33.3628, 0.2054,
0.2483

83.2780, 0.3356,
0.3386

■ 30.8419, 0.2001,
0.2376

■ 86.9636, 0.3351,
0.3448

■ 29.6460, 0.1978,
0.2322

■ 90.6775, 0.3343,
0.3509

■ 94.5210, 0.3335,
0.3569

■ 98.0000, 0.3328,
0.3621

Harmonies

Analogous

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



51.9966, 0.2662, 0.3241



51.9966, 0.2599, 0.3005



51.9966, 0.2668, 0.2860

Triad

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



51.9966, 0.2599, 0.3005



51.9966, 0.3404, 0.3083



51.9966, 0.3386, 0.3790

Complementary

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



51.9966, 0.2599, 0.3005



44.6401, 0.3861, 0.3555

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.



51.9966, 0.3600, 0.3718



51.9966, 0.2599, 0.3005



51.9966, 0.3613, 0.3308

Square

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



51.9966, 0.2599, 0.3005



51.9966, 0.3125, 0.2911



51.9966, 0.3685, 0.3538



51.9966, 0.3110, 0.3714

Rectangle

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



51.9966, 0.2599, 0.3005



51.9966, 0.2783, 0.2826



51.9966, 0.3685, 0.3538



51.9966, 0.3468, 0.3781

Sweetspot

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



51.9986, 0.2599, 0.3005



90.9245, 0.2972, 0.3217



60.3810, 0.2950, 0.4028



19.2023, 0.2950, 0.3206



0.0000, 0.0000, 0.0000



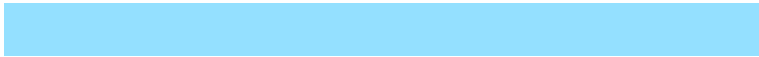
21.4041, 0.3127, 0.3290

Same Dimension

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



51.9986, 0.2599, 0.3005



67.0510, 0.2494, 0.2933



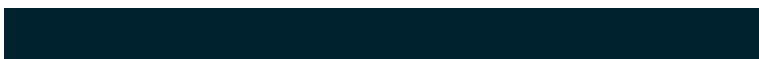
36.5188, 0.2529, 0.2480



14.1688, 0.2982, 0.3222



17.4256, 0.1983, 0.2338



1.2731, 0.2031, 0.2512

Inverse Universe

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



39.4338, 0.3373, 0.2655



47.8138, 0.3443, 0.2520



60.7142, 0.3710, 0.3985



13.2082, 0.3181, 0.3124



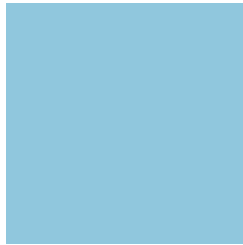
10.3829, 0.4087, 0.2025



0.6872, 0.3911, 0.1928

Previews

White Background



This preview shows how the Yxy color 51.9966, 0.2599, 0.3005 looks on a white background.

Color Contrast Check

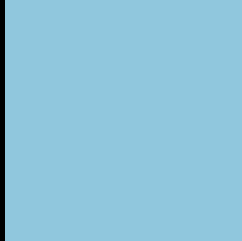
Large Text (above 18pt) WCAG AA × Fail

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 51.9966, 0.2599, 0.3005 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 51.9966, 0.2599, 0.3005

Background



This preview shows how black text looks on a background with the Yxy color 51.9966, 0.2599, 0.3005.



This preview shows how white text looks on a background with the Yxy color 51.9966, 0.2599, 0.3005.

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

51.9966, 0.2599, 0.3005

Protanopia

51.6893, 0.2921, 0.2984

Deuteranopia

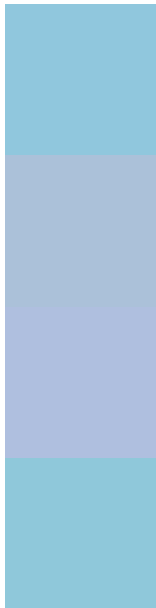
51.7061, 0.2896, 0.2838



Tritanopia

52.1061, 0.2623, 0.3080

Trichromacy



Original Color

51.9966, 0.2599, 0.3005

Protanomaly

51.8076, 0.2792, 0.2990

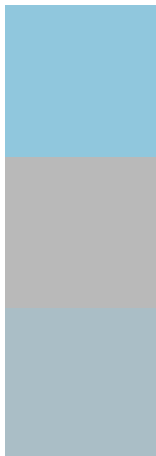
Deuteranomaly

51.7033, 0.2780, 0.2896

Tritanomaly

52.2101, 0.2612, 0.3055

Monochromacy



Original Color

51.9966, 0.2599, 0.3005

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.4502, 0.2911, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9966, 0.2599, 0.3005 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(144, 199, 221)` looks like.

```
.text, #text, p{  
    color:rgb(144, 199, 221)  
}
```

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(144, 199, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 199, 221) }
```

Border

The CSS property to change the border of an element to Yxy 51.9966, 0.2599, 0.3005 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(144, 199, 221) }
```

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

```
.border{ border-color:rgb(144, 199, 221) }
```

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

Here you see how a box with a 4 pixel rgb(144, 199, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 199, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 199, 221);  
box-shadow:4px 4px 4px 4px rgb(144, 199,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9966, 0.2599, 0.3005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 199, 221) }
```

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

```
.background{ background-color: rgb(144,  
199, 221) }
```

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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