

Converting Colors

$Y_{xy}(48.1499, 0.2546, 0.2914)$

Have a look what the booklet for
Yxy(48.1499, 0.2546, 0.2914)
contains.

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Color

Yxy(48.1849, 0.2550, 0.2919)

Conversions

Conversions Part 1

Format	Color
Hex	89C0DC
RGB	137, 192, 220
RGB Percent	54%, 75%, 86%
CMY	0.4624, 0.2471, 0.1372
CMYK	0.38, 0.13, 0.00, 0.14
HSL	200°, 54%, 70%
HSV	200°, 38%, 86%
XYZ	42.0937, 48.1849, 74.7947
YIQ	178.7470, -41.7680, -2.9520

Conversions

Conversions Part 2

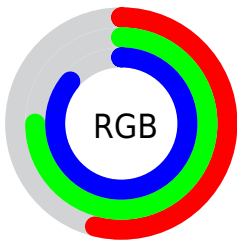
Format	Color
RYB	137, 170, 220
Decimal	9027804
CIELab	74.94, -10.87, -19.67
CIElCh	75, 22.475, 241.083
Yxy	48.1849, 0.2550, 0.2919
Android (android.graphics.Color)	4287217884 (0xFF89C0DC)
YUV	178.7470, 20.3377, -36.6121
Hunter-Lab	69.4153, -13.2339, -15.2940

Details

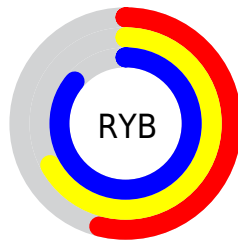
The Yxy color **48.1849, 0.2550, 0.2919** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **43.9685, 0.3921, 0.3629**, and the grayscale version is **44.8530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6923, 0.2761, 0.3215**, and **23.0208, 0.2400, 0.2820** is the 20% darker color. If you saturate the color by 10%, you get **43.3301, 0.2408, 0.2801**, and if you desaturate by 10%, it is **53.5874, 0.2700, 0.3030**.

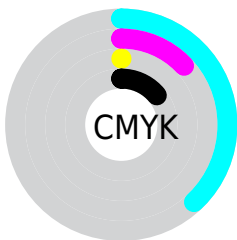
Distribution



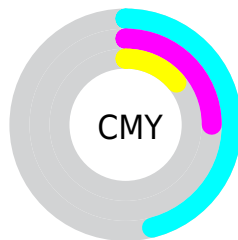
- Red (54%)
- Green (75%)
- Blue (86%)



- Red (54%)
- Yellow (67%)
- Blue (86%)



- Cyan (38%)
- Magenta (13%)
- Yellow (0%)
- Black (14%)



- Cyan (46%)
- Magenta (25%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1849, 0.2550, 0.2919 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 48.1849, 0.2550, 0.2919 by changing the saturation by 10% instead.

■ 48.1849, 0.2550,
0.2919

■ 48.1849, 0.2550,
0.2919

■ 379.5246, 0.2831,
0.3106

■ 33.9733, 0.2483,
0.2872

■ 87.4796, 0.2650,
0.2987

■ 22.8731, 0.2398,
0.2812

■ 113.3316, 0.2688,
0.3013

■ 14.4998, 0.2288,
0.2733

■ 143.8325, 0.2721,
0.3034

■ 8.4691, 0.2141,
0.2623

■ 179.3667, 0.2749,
0.3053

■ 4.3966, 0.1934,
0.2462

■ 220.3186, 0.2773,
0.3069

■ 1.8978, 0.1626,
0.2208

■ 267.0726, 0.2795,

■ 0.5470, 0.0805,

0.3083

0.1729

320.0131, 0.2814,
0.3095

0.0000, 0.0000,
0.0000

48.1849, 0.2550,
0.2919

48.1849, 0.2550,
0.2919

43.3301, 0.2408,
0.2801

53.5874, 0.2700,
0.3030

38.9919, 0.2278,
0.2677

59.5556, 0.2854,
0.3132

35.1438, 0.2164,
0.2548

66.1133, 0.3009,
0.3225

31.7543, 0.2068,
0.2418

73.2812, 0.3162,
0.3309

28.7864, 0.1992,
0.2288

81.0786, 0.3312,
0.3384

■ 26.1903, 0.1937,
0.2161

■ 86.7554, 0.3358,
0.3455

■ 25.6266, 0.1926,
0.2132

■ 91.1389, 0.3348,
0.3527

■ 95.7029, 0.3338,
0.3598

■ 97.9476, 0.3333,
0.3631

Harmonies

Analogous

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



48.1849, 0.2581, 0.3158



48.1849, 0.2550, 0.2919



48.1849, 0.2663, 0.2793

Triad

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



48.1849, 0.2550, 0.2919



48.1849, 0.3507, 0.3122



48.1849, 0.3336, 0.3841

Complementary

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



48.1849, 0.2550, 0.2919



43.9685, 0.3921, 0.3629

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.



48.1849, 0.3600, 0.3799



48.1849, 0.2550, 0.2919



48.1849, 0.3705, 0.3376

Square

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



48.1849, 0.2550, 0.2919



48.1849, 0.3208, 0.2914



48.1849, 0.3738, 0.3623



48.1849, 0.3025, 0.3714

Rectangle

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



48.1849, 0.2550, 0.2919



48.1849, 0.2809, 0.2780



48.1849, 0.3738, 0.3623



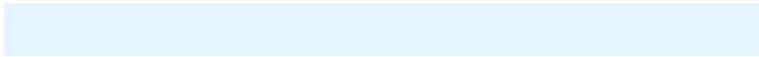
48.1849, 0.3433, 0.3845

Sweetspot

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



48.1868, 0.2550, 0.2919



89.1649, 0.2956, 0.3194



59.2202, 0.2913, 0.4041



18.8146, 0.2935, 0.3181



0.0000, 0.0000, 0.0000



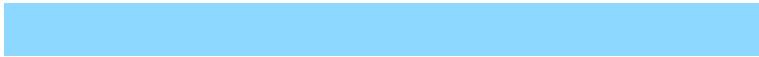
21.4041, 0.3127, 0.3290

Same Dimension

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



48.1868, 0.2550, 0.2919



62.0486, 0.2440, 0.2829



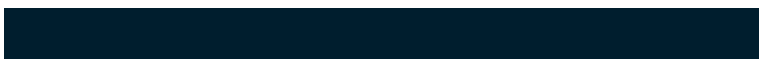
32.5929, 0.2466, 0.2343



14.0500, 0.2982, 0.3209



15.2529, 0.1931, 0.2151



1.1451, 0.1989, 0.2358

Inverse Universe

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



36.9348, 0.3443, 0.2650



45.0593, 0.3531, 0.2522



61.2558, 0.3744, 0.4085



13.1962, 0.3189, 0.3136



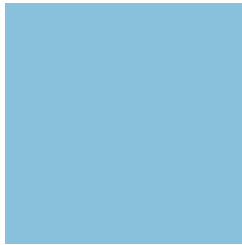
10.1636, 0.4285, 0.2134



0.6743, 0.4066, 0.2013

Previews

White Background



This preview shows how the Yxy color 48.1849, 0.2550, 0.2919 looks on a white background.

Color Contrast Check

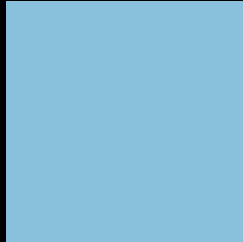
Large Text (above 18pt) WCAG AA × Fail

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 48.1849, 0.2550, 0.2919 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 48.1849, 0.2550, 0.2919

Background



This preview shows how black text looks on a background with the Yxy color 48.1849, 0.2550, 0.2919.



This preview shows how white text looks on a background with the Yxy color 48.1849, 0.2550, 0.2919.

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

48.1849, 0.2550, 0.2919

Protanopia

47.7759, 0.2856, 0.2889

Deuteranopia

47.9153, 0.2823, 0.2764



Tritanopia

48.2554, 0.2598, 0.3086

Trichromacy



Original Color

48.1849, 0.2550, 0.2919

Protanomaly

47.8622, 0.2735, 0.2905

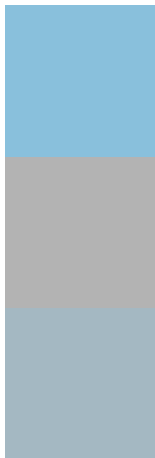
Deuteranomaly

47.6619, 0.2715, 0.2810

Tritanomaly

48.0949, 0.2579, 0.3020

Monochromacy



Original Color

48.1849, 0.2550, 0.2919

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.0685, 0.2890, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1849, 0.2550, 0.2919 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(137, 192, 220)` looks like.

```
.text, #text, p{  
    color:rgb(137, 192, 220)  
}
```

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(137, 192, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 192, 220) }
```

Border

The CSS property to change the border of an element to Yxy 48.1849, 0.2550, 0.2919 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(137, 192, 220) }
```

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

```
.border{ border-color:rgb(137, 192, 220) }
```

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

Here you see how a box with a 4 pixel rgb(137, 192, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 192, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 192, 220);  
box-shadow:4px 4px 4px 4px rgb(137, 192,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1849, 0.2550, 0.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 192, 220) }
```

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

```
.background{ background-color: rgb(137,  
192, 220) }
```

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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