

Converting Colors

$Y_{xy}(59.2872, 0.2488, 0.3050)$

Have a look what the booklet for
Yxy(59.2872, 0.2488, 0.3050)
contains.

| | |
|---|----|
| Yxy(59.2872, 0.2488, 0.3050) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(59.2872, 0.2488, 0.3050)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 82D7EA |
| RGB | 130, 215, 234 |
| RGB Percent | 51%, 84%, 92% |
| CMY | 0.4900, 0.1569, 0.0824 |
| CMYK | 0.44, 0.08, 0.00, 0.08 |
| HSL | 191°, 71%, 71% |
| HSV | 191°, 44%, 92% |
| XYZ | 48.3628, 59.2872, 86.7343 |
| YIQ | 191.7510, -56.7590, -12.1110 |

Conversions

Conversions Part 2

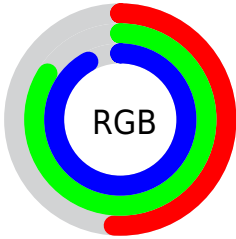
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 130, 177, 234 |
| Decimal | 8574954 |
| CIELab | 81.45, -20.87, -17.38 |
| CIELCh | 81, 27.159, 219.796 |
| Yxy | 59.2872, 0.2488, 0.3050 |
| Android (android.graphics.Color) | 4286765034 (0xFF82D7EA) |
| YUV | 191.7510, 20.8288, -54.1556 |
| Hunter-Lab | 76.9982, -22.6304, -12.8882 |

Details

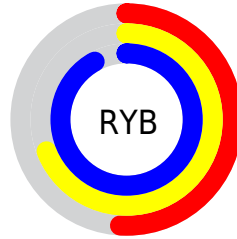
The Yxy color **59.2872, 0.2488, 0.3050** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.6176, 0.4209, 0.3509**, and the grayscale version is **52.4684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **29.7337, 0.2336, 0.2984** is the 20% darker color. If you saturate the color by 10%, you get **55.4937, 0.2373, 0.2986**, and if you desaturate by 10%, it is **63.5630, 0.2617, 0.3111**.

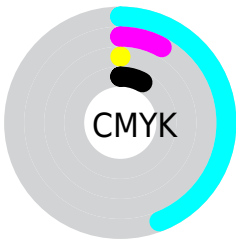
Distribution



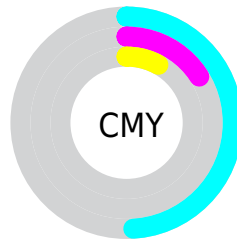
- Red (51%)
- Green (84%)
- Blue (92%)



- Red (51%)
- Yellow (69%)
- Blue (92%)



- Cyan (44%)
- Magenta (8%)
- Yellow (0%)
- Black (8%)




- Cyan (49%)
- Magenta (16%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.2872, 0.2488, 0.3050 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 59.2872, 0.2488, 0.3050 by changing the saturation by 10% instead.


 59.2872, 0.2488,
0.3050

 59.2872, 0.2488,
0.3050


421.9654, 0.2787,
0.3172


 42.8444, 0.2419,
0.3020


 103.7950, 0.2592,
0.3094

 29.7630, 0.2334,
0.2981


 132.6287, 0.2633,
0.3111

 19.6588, 0.2227,
0.2929


 166.3615, 0.2667,
0.3125

 12.1473, 0.2086,
0.2858

205.3777, 0.2698,
0.3137

 6.8440, 0.1896,
0.2756

250.0619, 0.2724,
0.3147

 3.3648, 0.1628,
0.2595

300.7983, 0.2747,

 1.3250, 0.1218,

0.3157

0.2321

357.9713, 0.2768,
0.3165

0.1604, 0.0000,
0.0993

0.0000, 0.0000,
0.0000

59.2872, 0.2488,
0.3050

59.2872, 0.2488,
0.3050

55.4937, 0.2373,
0.2986

63.5630, 0.2617,
0.3111

52.1462, 0.2275,
0.2921

68.3409, 0.2757,
0.3168


49.2143, 0.2196,
0.2854


73.6476, 0.2906,
0.3221


46.6596, 0.2137,
0.2788


79.5058, 0.3059,
0.3270

 44.4357, 0.2096,
0.2722


 85.9368, 0.3214,
0.3314

 43.2988, 0.2079,
0.2685

 89.9114, 0.3264,
0.3356

 92.4690, 0.3259,
0.3397

 95.0865, 0.3255,
0.3438

 97.7642, 0.3251,
0.3479

Harmonies

Analogous

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



59.2872, 0.2634, 0.3377



59.2872, 0.2488, 0.3050



59.2872, 0.2501, 0.2816

Triad

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



59.2872, 0.2488, 0.3050



59.2872, 0.3320, 0.2928



59.2872, 0.3583, 0.3896

Complementary

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



59.2872, 0.2488, 0.3050



40.6176, 0.4209, 0.3509

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.



59.2872, 0.3789, 0.3731



59.2872, 0.2488, 0.3050



59.2872, 0.3637, 0.3179

Square

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



59.2872, 0.2488, 0.3050



59.2872, 0.2965, 0.2762



59.2872, 0.3812, 0.3468



59.2872, 0.3260, 0.3893

Rectangle

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



59.2872, 0.2488, 0.3050



59.2872, 0.2598, 0.2735



59.2872, 0.3812, 0.3468



59.2872, 0.3668, 0.3857

Sweetspot

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



59.2895, 0.2488, 0.3050



90.4401, 0.2926, 0.3228



65.7132, 0.2973, 0.4447



19.0353, 0.2893, 0.3217



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.



59.2895, 0.2488, 0.3050



67.9595, 0.2386, 0.2994



37.4931, 0.2370, 0.2372



16.6263, 0.2981, 0.3246



24.5032, 0.2082, 0.2695



2.0457, 0.2108, 0.2787

Inverse Universe

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



38.3776, 0.3357, 0.2378



40.3866, 0.3416, 0.2216



60.1134, 0.3944, 0.4055



15.2638, 0.3166, 0.3100



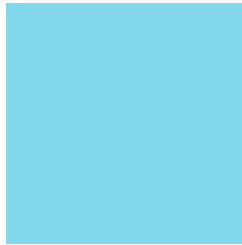
11.9664, 0.3733, 0.1830



0.9519, 0.3647, 0.1783

Previews

White Background



This preview shows how the Yxy color 59.2872, 0.2488, 0.3050 looks on a white background.

Color Contrast Check

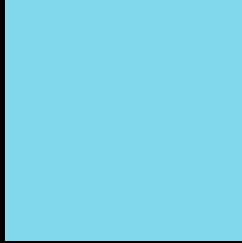
Large Text (above 18pt) WCAG AA × Fail

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 59.2872, 0.2488, 0.3050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

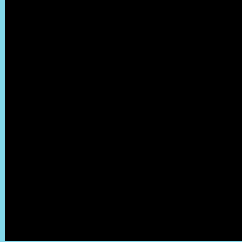
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.2872, 0.2488, 0.3050

Background



This preview shows how black text looks on a background with the Yxy color 59.2872, 0.2488, 0.3050.

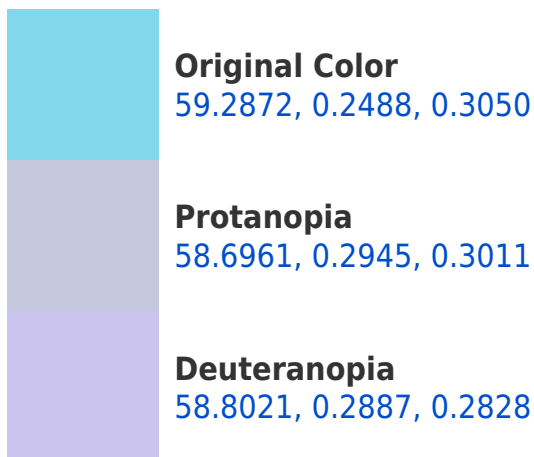


This preview shows how white text looks on a background with the Yxy color 59.2872, 0.2488, 0.3050.

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

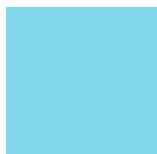




Tritanopia

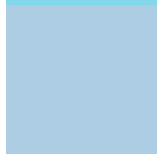
59.2299, 0.2493, 0.3062

Trichromacy



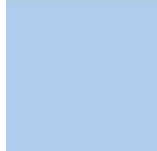
Original Color

59.2872, 0.2488, 0.3050



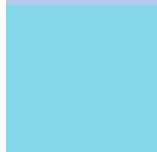
Protanomaly

58.1483, 0.2749, 0.3012



Deuteranomaly

58.5303, 0.2714, 0.2900



Tritanomaly

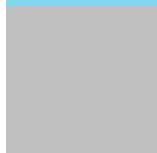
59.2299, 0.2493, 0.3062

Monochromacy



Original Color

59.2872, 0.2488, 0.3050



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

54.2486, 0.2849, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.2872, 0.2488, 0.3050 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(130, 215, 234)` looks like.

```
.text, #text, p{  
    color:rgb(130, 215, 234)  
}
```

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(130, 215, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 215, 234) }
```

Border

The CSS property to change the border of an element to Yxy 59.2872, 0.2488, 0.3050 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(130, 215, 234) }
```

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

```
.border{ border-color:rgb(130, 215, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 215, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 215, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 215, 234);  
box-shadow:4px 4px 4px 4px rgb(130, 215,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 59.2872, 0.2488, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 215, 234) }
```

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

```
.background{ background-color: rgb(130,  
215, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor