

Converting Colors

$Yxy(59.6386, 0.2710, 0.3082)$

Have a look what the booklet for
Yxy(59.6386, 0.2710, 0.3082)
contains.

Yxy(59.6386, 0.2710, 0.3082)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(59.6386, 0.2710, 0.3082)

Conversions

Conversions Part 1

Format	Color
Hex	A5D2E3
RGB	165, 210, 227
RGB Percent	65%, 82%, 89%
CMY	0.3527, 0.1765, 0.1098
CMYK	0.27, 0.07, 0.00, 0.11
HSL	196°, 53%, 77%
HSV	196°, 27%, 89%
XYZ	52.4402, 59.6386, 81.4274
YIQ	198.4830, -32.2770, -4.2530

Conversions

Conversions Part 2

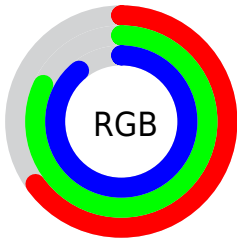
Format	Color
RYB	165, 191, 227
Decimal	10867427
CIELab	81.64, -10.78, -13.19
CIElCh	82, 17.034, 230.746
Yxy	59.6386, 0.2710, 0.3082
Android (android.graphics.Color)	4289057507 (0xFFA5D2E3)
YUV	198.4830, 14.0589, -29.3646
Hunter-Lab	77.2260, -13.9355, -8.4574

Details

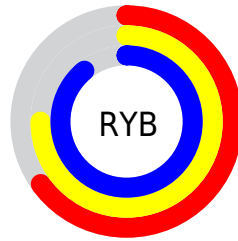
The Yxy color **59.6386, 0.2710, 0.3082** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.5455, 0.3666, 0.3488**, and the grayscale version is **56.7178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **30.1350, 0.2602, 0.3028** is the 20% darker color. If you saturate the color by 10%, you get **54.3971, 0.2565, 0.2993**, and if you desaturate by 10%, it is **65.4371, 0.2861, 0.3164**.

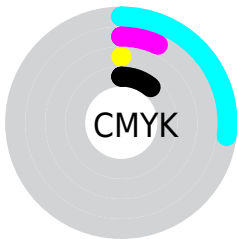
Distribution



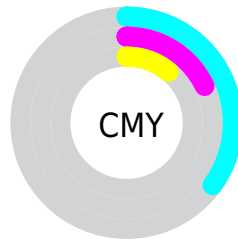
- Red (65%)
- Green (82%)
- Blue (89%)



- Red (65%)
- Yellow (75%)
- Blue (89%)



- Cyan (27%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)



- Cyan (35%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 59.6386, 0.2710, 0.3082 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 59.6386, 0.2710, 0.3082 by changing the saturation by 10% instead.

■ 59.6386, 0.2710,
0.3082

■ 59.6386, 0.2710,
0.3082

423.2644, 0.2907,
0.3184

■ 43.1274, 0.2664,
0.3057

■ 104.3052, 0.2779,
0.3119

■ 29.9851, 0.2607,
0.3026

■ 133.2295, 0.2806,
0.3133

■ 19.8273, 0.2534,
0.2985

167.0601, 0.2829,
0.3144

■ 12.2695, 0.2437,
0.2929

206.1817, 0.2849,
0.3155

■ 6.9275, 0.2303,
0.2848

250.9785, 0.2866,
0.3163

■ 3.4168, 0.2107,
0.2725

301.8350, 0.2881,

■ 1.3530, 0.1796,

0.3171

359.1354, 0.2895,
0.3178

0.2512

0.1817, 0.0000,
0.1387

0.0000, 0.0000,
0.0000

59.6386, 0.2710,
0.3082

59.6386, 0.2710,
0.3082

54.3971, 0.2565,
0.2993

65.4371, 0.2861,
0.3164

49.6811, 0.2430,
0.2898

71.8080, 0.3015,
0.3240

45.4669, 0.2308,
0.2799

78.7746, 0.3169,
0.3308

41.7253, 0.2202,
0.2697

86.1906, 0.3315,
0.3369

■ 38.4235, 0.2115,
0.2593

■ 89.8248, 0.3307,
0.3430

■ 35.5234, 0.2048,
0.2489

■ 93.5854, 0.3300,
0.3490

■ 32.9747, 0.2000,
0.2386

■ 97.4738, 0.3293,
0.3549

■ 32.3218, 0.1988,
0.2358

■ 98.3266, 0.3292,
0.3562

Harmonies

Analogous

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



59.6386, 0.2770, 0.3271



59.6386, 0.2710, 0.3082



59.6386, 0.2757, 0.2958

Triad

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



59.6386, 0.2710, 0.3082



59.6386, 0.3328, 0.3113



59.6386, 0.3348, 0.3679

Complementary

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



59.6386, 0.2710, 0.3082



52.5455, 0.3666, 0.3488

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.



59.6386, 0.3507, 0.3619



59.6386, 0.2710, 0.3082



59.6386, 0.3497, 0.3291

Square

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



59.6386, 0.2710, 0.3082



59.6386, 0.3108, 0.2981



59.6386, 0.3563, 0.3475



59.6386, 0.3134, 0.3628

Rectangle

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



59.6386, 0.2710, 0.3082



59.6386, 0.2843, 0.2925



59.6386, 0.3563, 0.3475



59.6386, 0.3410, 0.3670

Sweetspot

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



59.6410, 0.2710, 0.3082



92.8092, 0.3003, 0.3234



66.3113, 0.2991, 0.3859



19.5876, 0.2980, 0.3223



0.0000, 0.0000, 0.0000



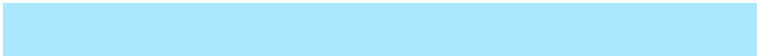
21.4041, 0.3127, 0.3290

Same Dimension

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



59.6410, 0.2710, 0.3082



73.5036, 0.2623, 0.3030



46.0036, 0.2671, 0.2694



15.6314, 0.2981, 0.3224



19.0526, 0.1993, 0.2374



1.5612, 0.2034, 0.2523

Inverse Universe

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



47.9207, 0.3303, 0.2787



56.1482, 0.3351, 0.2676



66.4182, 0.3578, 0.3823



14.5441, 0.3180, 0.3121



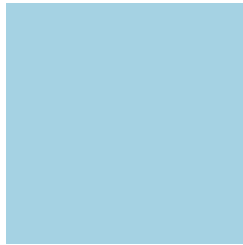
11.1211, 0.4050, 0.2005



0.8373, 0.3899, 0.1922

Previews

White Background



This preview shows how the Yxy color 59.6386, 0.2710, 0.3082 looks on a white background.

Color Contrast Check

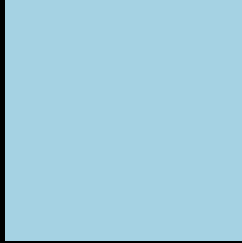
Large Text (above 18pt) WCAG AA × Fail

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 59.6386, 0.2710, 0.3082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

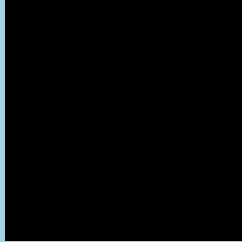
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 59.6386, 0.2710, 0.3082

Background



This preview shows how black text looks on a background with the Yxy color 59.6386, 0.2710, 0.3082.

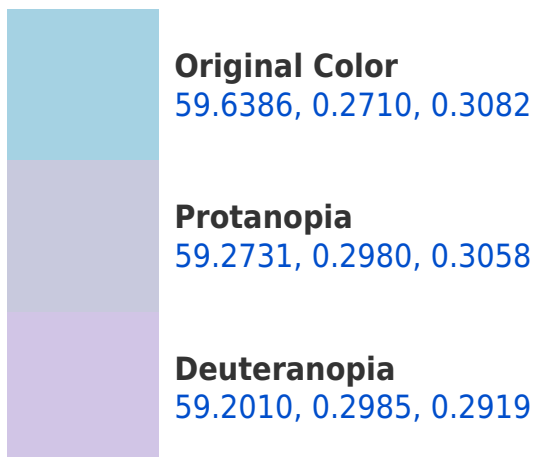


This preview shows how white text looks on a background with the Yxy color 59.6386, 0.2710, 0.3082.

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

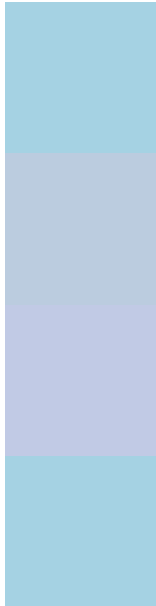




Tritanopia

59.6386, 0.2710, 0.3082

Trichromacy



Original Color

59.6386, 0.2710, 0.3082

Protanomaly

59.0782, 0.2874, 0.3065

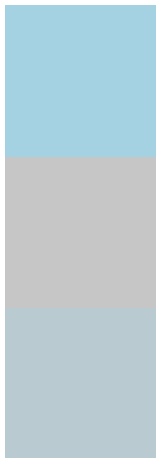
Deuteranomaly

59.2357, 0.2877, 0.2976

Tritanomaly

59.6386, 0.2710, 0.3082

Monochromacy



Original Color

59.6386, 0.2710, 0.3082

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

57.2836, 0.2958, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.6386, 0.2710, 0.3082 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(165, 210, 227)` looks like.

```
.text, #text, p{  
    color:rgb(165, 210, 227)  
}
```

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(165, 210, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 210, 227) }
```

Border

The CSS property to change the border of an element to Yxy 59.6386, 0.2710, 0.3082 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(165, 210, 227) }
```

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

```
.border{ border-color:rgb(165, 210, 227) }
```

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

Here you see how a box with a 4 pixel rgb(165, 210, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 210, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 210, 227);  
box-shadow:4px 4px 4px 4px rgb(165, 210,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 59.6386, 0.2710, 0.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 210, 227) }
```

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

```
.background{ background-color: rgb(165,  
210, 227) }
```

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