

Converting Colors

Yxy(57.5539, 0.2647, 0.3043)

Have a look what the booklet for
Yxy(57.5539, 0.2647, 0.3043)
contains.

Yxy(57.7811, 0.2646, 0.3042)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(57.7811, 0.2646, 0.3042)

Conversions

Conversions Part 1

Format	Color
Hex	9CD0E4
RGB	156, 208, 228
RGB Percent	61%, 82%, 89%
CMY	0.3885, 0.1842, 0.1059
CMYK	0.32, 0.09, 0.00, 0.11
HSL	197°, 57%, 75%
HSV	197°, 32%, 89%
XYZ	50.2593, 57.7811, 81.9040
YIQ	194.7320, -37.4120, -4.8040

Conversions

Conversions Part 2

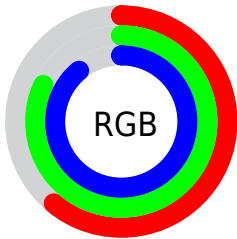
Format	Color
R _Y B	156, 186, 228
Decimal	10277092
CIE Lab	80.62, -12.13, -15.31
CIE LCh	81, 19.532, 231.615
Yxy	57.7811, 0.2646, 0.3042
Android (android.graphics.Color)	4288467172 (0xFF9CD0E4)
YUV	194.7320, 16.4011, -33.9680
Hunter-Lab	76.0139, -15.0026, -10.6745

Details

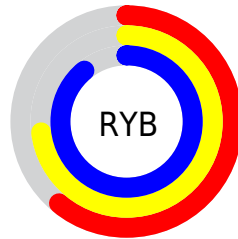
The Yxy color **57.7811, 0.2646, 0.3042** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.9091, 0.3777, 0.3524**, and the grayscale version is **54.3160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **28.9531, 0.2524, 0.2974** is the 20% darker color. If you saturate the color by 10%, you get **52.6976, 0.2505, 0.2950**, and if you desaturate by 10%, it is **63.4189, 0.2795, 0.3128**.

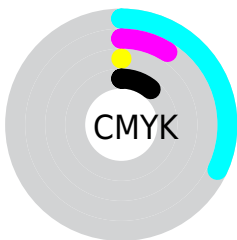
Distribution



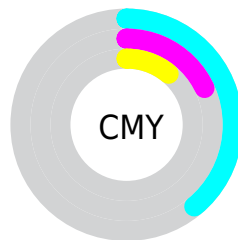
- Red (61%)
- Green (82%)
- Blue (89%)



- Red (61%)
- Yellow (73%)
- Blue (89%)



- Cyan (32%)
- Magenta (9%)
- Yellow (0%)
- Black (11%)





- Cyan (39%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.7811, 0.2646, 0.3042 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 57.7811, 0.2646, 0.3042 by changing the saturation by 10% instead.


 57.7811, 0.2646,
0.3042

 57.7811, 0.2646,
0.3042

416.3698, 0.2874,
0.3165

 41.6327, 0.2593,
0.3012


 101.6040, 0.2726,
0.3086

 28.8138, 0.2527,
0.2974


 130.0473, 0.2757,
0.3103

 18.9400, 0.2442,
0.2924


163.3577, 0.2783,
0.3117

 11.6269, 0.2330,
0.2856

201.9196, 0.2806,
0.3129

 6.4902, 0.2175,
0.2758

246.1173, 0.2826,
0.3140

 3.1454, 0.1949,
0.2607

296.3353, 0.2844,

 1.2081, 0.1595,

0.3149

0.2346

352.9580, 0.2860,
0.3157

0.0683, 0.0000,
0.0558

0.0000, 0.0000,
0.0000

57.7811, 0.2646,
0.3042

57.7811, 0.2646,
0.3042

52.6976, 0.2505,
0.2950

63.4189, 0.2795,
0.3128

48.1362, 0.2374,
0.2852

69.6276, 0.2948,
0.3207

44.0714, 0.2258,
0.2750

76.4315, 0.3102,
0.3279

40.4723, 0.2160,
0.2645

83.8510, 0.3255,
0.3344

■ 37.3037, 0.2081,
0.2540

■ 88.9633, 0.3303,
0.3405

■ 34.5235, 0.2022,
0.2436

■ 92.7430, 0.3296,
0.3466

■ 32.4339, 0.1986,
0.2349

■ 96.6537, 0.3289,
0.3526

■ 98.3816, 0.3286,
0.3552

Harmonies

Analogous

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



57.7811, 0.2711, 0.3260



57.7811, 0.2646, 0.3042



57.7811, 0.2703, 0.2903

Triad

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



57.7811, 0.2646, 0.3042



57.7811, 0.3367, 0.3092



57.7811, 0.3376, 0.3742

Complementary

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



57.7811, 0.2646, 0.3042



49.9091, 0.3777, 0.3524

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.



57.7811, 0.3564, 0.3673



57.7811, 0.2646, 0.3042



57.7811, 0.3561, 0.3296

Square

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



57.7811, 0.2646, 0.3042



57.7811, 0.3112, 0.2938



57.7811, 0.3633, 0.3507



57.7811, 0.3126, 0.3680

Rectangle

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



57.7811, 0.2646, 0.3042



57.7811, 0.2804, 0.2868



57.7811, 0.3633, 0.3507



57.7811, 0.3448, 0.3733

Sweetspot

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



57.7834, 0.2646, 0.3042



91.9111, 0.2987, 0.3226



65.6504, 0.2971, 0.3965



19.4057, 0.2965, 0.3215



0.0000, 0.0000, 0.0000



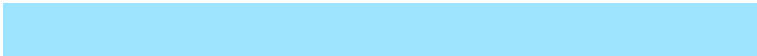
21.4041, 0.3127, 0.3290

Same Dimension

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



57.7834, 0.2646, 0.3042



70.0588, 0.2551, 0.2981



42.4524, 0.2591, 0.2582



15.6252, 0.2981, 0.3223



18.9367, 0.1990, 0.2365



1.5534, 0.2032, 0.2516

Inverse Universe

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



44.8026, 0.3339, 0.2707



51.3566, 0.3397, 0.2584



65.5733, 0.3656, 0.3909



14.5435, 0.3180, 0.3122



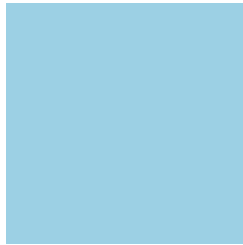
11.1094, 0.4059, 0.2010



0.8365, 0.3906, 0.1926

Previews

White Background



This preview shows how the Yxy color 57.7811, 0.2646, 0.3042 looks on a white background.

Color Contrast Check

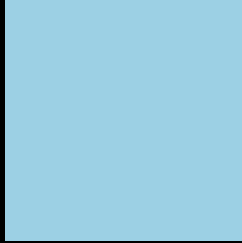
Large Text (above 18pt) WCAG AA × Fail

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 57.7811, 0.2646, 0.3042 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 57.7811, 0.2646, 0.3042

Background



This preview shows how black text looks on a background with the Yxy color 57.7811, 0.2646, 0.3042.

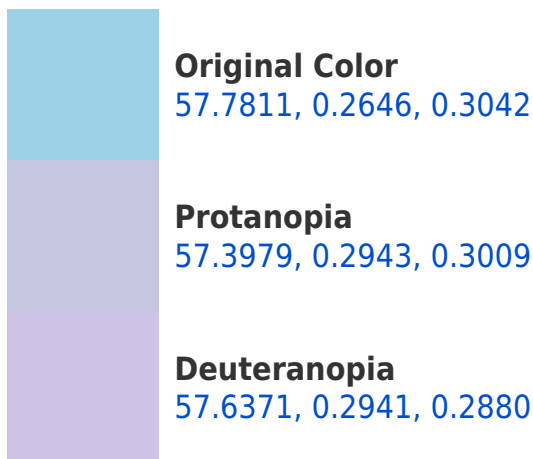


This preview shows how white text looks on a background with the Yxy color 57.7811, 0.2646, 0.3042.

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

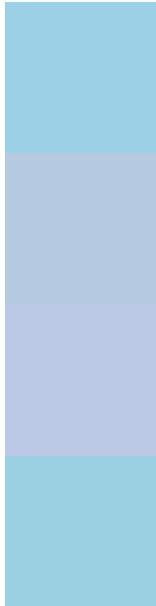




Tritanopia

57.5166, 0.2657, 0.3077

Trichromacy



Original Color

57.7811, 0.2646, 0.3042

Protanomaly

57.4466, 0.2825, 0.3026

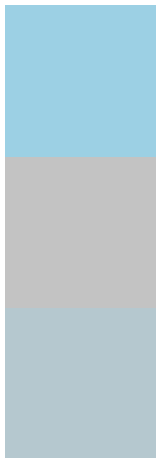
Deuteranomaly

57.5865, 0.2827, 0.2937

Tritanomaly

57.5713, 0.2652, 0.3065

Monochromacy



Original Color

57.7811, 0.2646, 0.3042

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

55.6373, 0.2935, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.7811, 0.2646, 0.3042 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, 208, 228)` looks like.

```
.text, #text, p{  
    color:rgb(156, 208, 228)  
}
```

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, 208, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 208, 228) }
```

Border

The CSS property to change the border of an element to Yxy 57.7811, 0.2646, 0.3042 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, 208, 228) }
```

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

```
.border{ border-color:rgb(156, 208, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 208, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 208, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 208, 228); box-shadow:4px 4px 4px 4px rgb(156, 208, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 57.7811, 0.2646, 0.3042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 208, 228) }
```

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

```
.background{ background-color: rgb(156,  
208, 228) }
```

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