

Converting Colors

$Y_{xy}(55.1020, 0.2701, 0.2921)$

Have a look what the booklet for
Yxy(55.1020, 0.2701, 0.2921)
contains.

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Color

Yxy(54.8848, 0.2698, 0.2911)

Conversions

Conversions Part 1

Format	Color
Hex	A8C7E6
RGB	168, 199, 230
RGB Percent	66%, 78%, 90%
CMY	0.3409, 0.2197, 0.0980
CMYK	0.27, 0.13, 0.00, 0.10
HSL	210°, 55%, 78%
HSV	210°, 27%, 90%
XYZ	50.8688, 54.8848, 82.7891
YIQ	193.2650, -28.4270, 3.0690

Conversions

Conversions Part 2

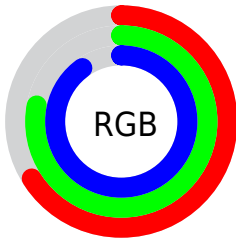
Format	Color
R _Y B	168, 189, 230
Decimal	11061222
CIE Lab	78.97, -3.42, -18.79
CIE LCh	79, 19.103, 259.679
Yxy	54.8848, 0.2698, 0.2911
Android (android.graphics.Color)	4289251302 (0xFFA8C7E6)
YUV	193.2650, 18.1104, -22.1574
Hunter-Lab	74.0843, -7.0832, -14.3975

Details

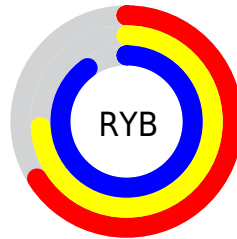
The Yxy color **54.8848, 0.2698, 0.2911** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.5561, 0.3617, 0.3641**, and the grayscale version is **53.4056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **26.9516, 0.2594, 0.2816** is the 20% darker color. If you saturate the color by 10%, you get **47.4763, 0.2534, 0.2743**, and if you desaturate by 10%, it is **63.1460, 0.2861, 0.3064**.

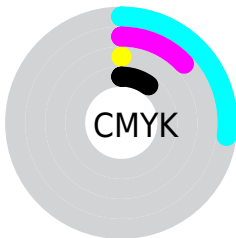
Distribution



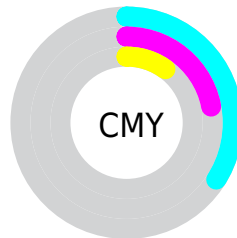
- Red (66%)
- Green (78%)
- Blue (90%)



- Red (66%)
- Yellow (74%)
- Blue (90%)



- Cyan (27%)
- Magenta (13%)
- Yellow (0%)
- Black (10%)



- Cyan (34%)
- Magenta (22%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8848, 0.2698, 0.2911 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 54.8848, 0.2698, 0.2911 by changing the saturation by 10% instead.

■ 54.8848, 0.2698,
0.2911

■ 54.8848, 0.2698,
0.2911

405.4751, 0.2904,
0.3095

■ 39.3095, 0.2649,
0.2867

■ 97.3721, 0.2771,
0.2976

■ 27.0006, 0.2588,
0.2812

■ 125.0530, 0.2799,
0.3001

■ 17.5737, 0.2510,
0.2740

157.5378, 0.2823,
0.3023

■ 10.6443, 0.2405,
0.2643

195.2109, 0.2843,
0.3041

■ 5.8282, 0.2259,
0.2507

238.4569, 0.2861,
0.3057

■ 2.7409, 0.2042,
0.2302

287.6599, 0.2877,

■ 0.9980, 0.1695,

0.3071

0.1965

343.2045, 0.2891,
0.3084

■ 0.0000, 0.0000,
0.0000

■ 54.8848, 0.2698,
0.2911

■ 54.8848, 0.2698,
0.2911

■ 47.4763, 0.2534,
0.2743

■ 63.1460, 0.2861,
0.3064

■ 40.8816, 0.2372,
0.2563

■ 72.2836, 0.3021,
0.3203

■ 35.0680, 0.2219,
0.2373

■ 82.3286, 0.3173,
0.3326

■ 29.9975, 0.2079,
0.2177

■ 92.3306, 0.3284,
0.3438

■ 25.6281, 0.1957,
0.1980

■ 98.4943, 0.3274,
0.3532

■ 21.9117, 0.1858,
0.1787

■ 18.7888, 0.1784,
0.1605

■ 17.9223, 0.1764,
0.1551

Harmonies

Analogous

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



54.8848, 0.2649, 0.3055



54.8848, 0.2698, 0.2911



54.8848, 0.2858, 0.2870

Triad

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



54.8848, 0.2698, 0.2911



54.8848, 0.3549, 0.3282



54.8848, 0.3143, 0.3686

Complementary

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



54.8848, 0.2698, 0.2911



60.5561, 0.3617, 0.3641

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.



54.8848, 0.3389, 0.3739



54.8848, 0.2698, 0.2911



54.8848, 0.3630, 0.3493

Square

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



54.8848, 0.2698, 0.2911



54.8848, 0.3350, 0.3081



54.8848, 0.3570, 0.3663



54.8848, 0.2899, 0.3512

Rectangle

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



54.8848, 0.2698, 0.2911



54.8848, 0.3011, 0.2901



54.8848, 0.3570, 0.3663



54.8848, 0.3228, 0.3719

Sweetspot

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



54.8870, 0.2698, 0.2911



89.9849, 0.3003, 0.3188



69.0638, 0.2908, 0.3667



18.8751, 0.2979, 0.3168



0.0000, 0.0000, 0.0000



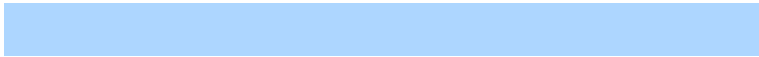
21.4041, 0.3127, 0.3290

Same Dimension

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



54.8870, 0.2698, 0.2911



64.3005, 0.2612, 0.2825



42.0822, 0.2659, 0.2517



15.0693, 0.2981, 0.3169



10.3893, 0.1772, 0.1578



0.9535, 0.1845, 0.1843

Inverse Universe

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



48.9834, 0.3423, 0.2943



56.1616, 0.3499, 0.2873



76.2608, 0.3533, 0.3962



14.4873, 0.3215, 0.3173



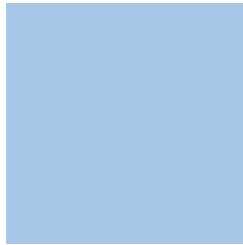
10.2465, 0.4959, 0.2505



0.7759, 0.4634, 0.2327

Previews

White Background



This preview shows how the Yxy color 54.8848, 0.2698, 0.2911 looks on a white background.

Color Contrast Check

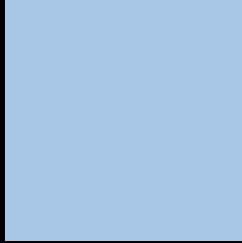
Large Text (above 18pt) WCAG AA × Fail

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 54.8848, 0.2698, 0.2911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

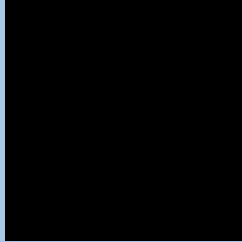
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

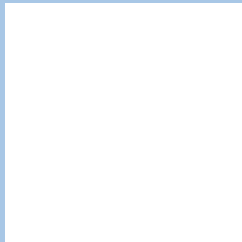
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.8848, 0.2698, 0.2911

Background



This preview shows how black text looks on a background with the Yxy color 54.8848, 0.2698, 0.2911.



This preview shows how white text looks on a background with the Yxy color 54.8848, 0.2698, 0.2911.

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

54.8848, 0.2698, 0.2911

Protanopia

54.8934, 0.2864, 0.2911

Deuteranopia

54.8236, 0.2873, 0.2815



Tritanopia

54.7824, 0.2759, 0.3089

Trichromacy



Original Color

54.8848, 0.2698, 0.2911

Protanomaly

54.8497, 0.2801, 0.2918

Deuteranomaly

54.7922, 0.2809, 0.2852

Tritanomaly

54.6895, 0.2734, 0.3016

Monochromacy



Original Color

54.8848, 0.2698, 0.2911

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

53.6768, 0.2963, 0.3154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8848, 0.2698, 0.2911 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(168, 199, 230)` looks like.

```
.text, #text, p{  
    color:rgb(168, 199, 230)  
}
```

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(168, 199, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 199, 230) }
```

Border

The CSS property to change the border of an element to Yxy 54.8848, 0.2698, 0.2911 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(168, 199, 230) }
```

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

```
.border{ border-color:rgb(168, 199, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 199, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 199, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 199, 230);  
box-shadow:4px 4px 4px 4px rgb(168, 199,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8848, 0.2698, 0.2911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 199, 230) }
```

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

```
.background{ background-color: rgb(168,  
199, 230) }
```

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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