

Converting Colors

Yxy(55.7583, 0.2688, 0.2924)

Have a look what the booklet for
Yxy(55.7583, 0.2688, 0.2924)
contains.

Yxy(55.7583, 0.2688, 0.2924)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.7583, 0.2688, 0.2924)

Conversions

Conversions Part 1

Format	Color
Hex	A7C9E7
RGB	167, 201, 231
RGB Percent	65%, 79%, 91%
CMY	0.3449, 0.2118, 0.0940
CMYK	0.28, 0.13, 0.00, 0.09
HSL	208°, 57%, 78%
HSV	208°, 28%, 91%
XYZ	51.2580, 55.7583, 83.6756
YIQ	194.2540, -29.8940, 2.1220

Conversions

Conversions Part 2

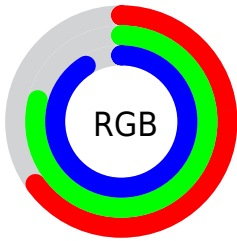
Format	Color
R _Y B	167, 189, 231
Decimal	10996199
CIE Lab	79.48, -4.55, -18.58
CIE LCh	79, 19.129, 256.238
Yxy	55.7583, 0.2688, 0.2924
Android (android.graphics.Color)	4289186279 (0xFFA7C9E7)
YUV	194.2540, 18.1158, -23.9018
Hunter-Lab	74.6715, -8.1444, -14.1693

Details

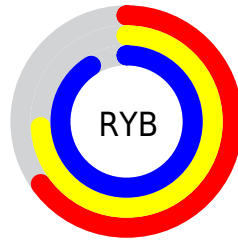
The Yxy color **55.7583, 0.2688, 0.2924** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.7589, 0.3640, 0.3629**, and the grayscale version is **54.0186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **27.4733, 0.2575, 0.2832** is the 20% darker color. If you saturate the color by 10%, you get **48.5841, 0.2526, 0.2767**, and if you desaturate by 10%, it is **63.7436, 0.2850, 0.3068**.

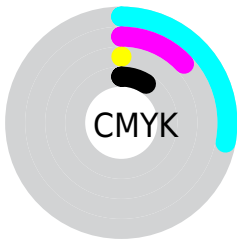
Distribution



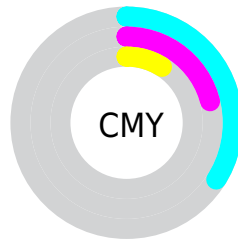
- Red (65%)
- Green (79%)
- Blue (91%)



- Red (65%)
- Yellow (74%)
- Blue (91%)



- Cyan (28%)
- Magenta (13%)
- Yellow (0%)
- Black (9%)



- Cyan (34%)
- Magenta (21%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.7583, 0.2688, 0.2924 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 55.7583, 0.2688, 0.2924 by changing the saturation by 10% instead.

■ 55.7583, 0.2688,
0.2924

■ 55.7583, 0.2688,
0.2924

408.7800, 0.2898,
0.3102

■ 40.0092, 0.2639,
0.2881

■ 98.6511, 0.2762,
0.2987

■ 27.5457, 0.2577,
0.2828

■ 126.5636, 0.2791,
0.3011

■ 17.9835, 0.2497,
0.2759

159.2992, 0.2815,
0.3032

■ 10.9381, 0.2391,
0.2665

197.2426, 0.2836,
0.3050

■ 6.0252, 0.2244,
0.2534

240.7779, 0.2854,
0.3065

■ 2.8604, 0.2028,
0.2336

290.2897, 0.2871,

■ 1.0593, 0.1683,

0.3079

0.2010

346.1622, 0.2885,
0.3091

0.0000, 0.0000,
0.0000

55.7583, 0.2688,
0.2924

55.7583, 0.2688,
0.2924

48.5841, 0.2526,
0.2767

63.7436, 0.2850,
0.3068

42.1832, 0.2369,
0.2598

72.5625, 0.3009,
0.3199

36.5239, 0.2221,
0.2420

82.2449, 0.3162,
0.3316

31.5695, 0.2087,
0.2236

91.9595, 0.3279,
0.3421

27.2790, 0.1971,
0.2051

98.5506, 0.3268,
0.3522

■ 23.6051, 0.1878,
0.1870

■ 20.4866, 0.1808,
0.1697

■ 19.8240, 0.1794,
0.1658

Harmonies

Analogous

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



55.7583, 0.2653, 0.3079



55.7583, 0.2688, 0.2924



55.7583, 0.2836, 0.2871

Triad

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



55.7583, 0.2688, 0.2924



55.7583, 0.3530, 0.3258



55.7583, 0.3172, 0.3697

Complementary

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



55.7583, 0.2688, 0.2924



59.7589, 0.3640, 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.



55.7583, 0.3413, 0.3735



55.7583, 0.2688, 0.2924



55.7583, 0.3626, 0.3470

Square

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



55.7583, 0.2688, 0.2924



55.7583, 0.3322, 0.3061



55.7583, 0.3582, 0.3646



55.7583, 0.2925, 0.3535

Rectangle

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



55.7583, 0.2688, 0.2924



55.7583, 0.2984, 0.2894



55.7583, 0.3582, 0.3646



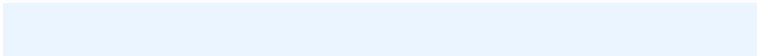
55.7583, 0.3256, 0.3725

Sweetspot

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



55.7605, 0.2688, 0.2924



90.3742, 0.3003, 0.3194



69.4119, 0.2915, 0.3706



18.9731, 0.2979, 0.3176



0.0000, 0.0000, 0.0000



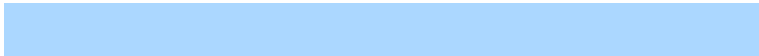
21.4041, 0.3127, 0.3290

Same Dimension

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



55.7605, 0.2688, 0.2924



64.7108, 0.2599, 0.2839



42.4406, 0.2647, 0.2519



15.1466, 0.2981, 0.3177



11.3625, 0.1801, 0.1685



1.0253, 0.1871, 0.1937

Inverse Universe

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



48.8685, 0.3415, 0.2911



55.2606, 0.3491, 0.2833



75.7608, 0.3551, 0.3960



14.4951, 0.3210, 0.3166



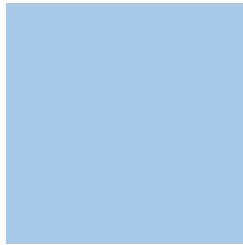
10.3448, 0.4825, 0.2432



0.7832, 0.4525, 0.2266

Previews

White Background



This preview shows how the Yxy color 55.7583, 0.2688, 0.2924 looks on a white background.

Color Contrast Check

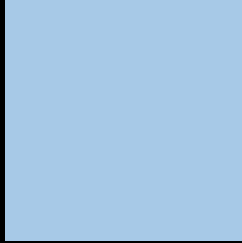
Large Text (above 18pt) WCAG AA × Fail

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 55.7583, 0.2688, 0.2924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

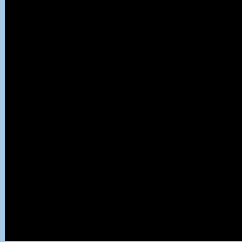
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

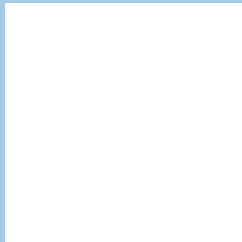
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.7583, 0.2688, 0.2924

Background



This preview shows how black text looks on a background with the Yxy color 55.7583, 0.2688, 0.2924.



This preview shows how white text looks on a background with the Yxy color 55.7583, 0.2688, 0.2924.

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

55.7583, 0.2688, 0.2924

Protanopia

55.6526, 0.2872, 0.2913

Deuteranopia

55.5882, 0.2882, 0.2818



Tritanopia

55.8257, 0.2749, 0.3090

Trichromacy



Original Color

55.7583, 0.2688, 0.2924

Protanomaly

55.4790, 0.2803, 0.2919

Deuteranomaly

55.4212, 0.2811, 0.2854

Tritanomaly

55.6758, 0.2730, 0.3030

Monochromacy



Original Color

55.7583, 0.2688, 0.2924

Achromatopsia

53.9479, 0.3127, 0.3290

Achromatomaly

54.6278, 0.2956, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7583, 0.2688, 0.2924 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(167, 201, 231)` looks like.

```
.text, #text, p{  
    color:rgb(167, 201, 231)  
}
```

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(167, 201, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 201, 231) }
```

Border

The CSS property to change the border of an element to Yxy 55.7583, 0.2688, 0.2924 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(167, 201, 231) }
```

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

```
.border{ border-color:rgb(167, 201, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 201, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 201, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 201, 231);  
box-shadow:4px 4px 4px 4px rgb(167, 201,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7583, 0.2688, 0.2924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 201, 231) }
```

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

```
.background{ background-color: rgb(167,  
201, 231) }
```

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