

Converting Colors

$Yxy(55.8049, 0.2900, 0.3099)$

Have a look what the booklet for
Yxy(55.8049, 0.2900, 0.3099)
contains.

Yxy(55.8204, 0.2895, 0.3095)	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(55.8204, 0.2895, 0.3095)

Conversions

Conversions Part 1

Format	Color
Hex	B7C7D7
RGB	183, 199, 215
RGB Percent	72%, 78%, 84%
CMY	0.2825, 0.2196, 0.1568
CMYK	0.15, 0.07, 0.00, 0.16
HSL	210°, 29%, 78%
HSV	210°, 15%, 84%
XYZ	52.2133, 55.8204, 72.3230
YIQ	196.0400, -14.6720, 1.5840

Conversions

Conversions Part 2

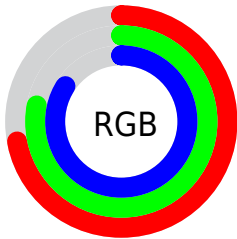
Format	Color
R _Y B	183, 194, 215
Decimal	12044247
CIE Lab	79.51, -2.19, -9.83
CIE LCh	80, 10.069, 257.435
Yxy	55.8204, 0.2895, 0.3095
Android (android.graphics.Color)	4290234327 (0xFFB7C7D7)
YUV	196.0400, 9.3473, -11.4361
Hunter-Lab	74.7131, -6.0030, -5.0942

Details

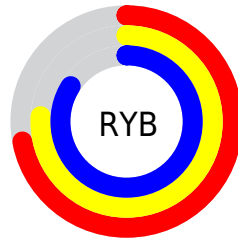
The Yxy color **55.8204, 0.2895, 0.3095** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.7021, 0.3376, 0.3478**, and the grayscale version is **55.1754, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **27.5347, 0.2839, 0.3045** is the 20% darker color. If you saturate the color by 10%, you get **48.6161, 0.2733, 0.2946**, and if you desaturate by 10%, it is **63.7808, 0.3052, 0.3229**.

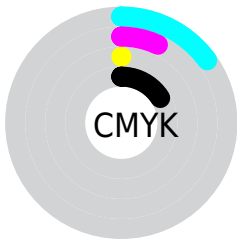
Distribution



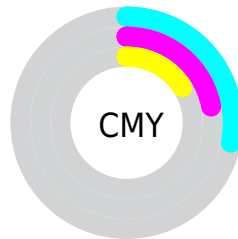
- Red (72%)
- Green (78%)
- Blue (84%)



- Red (72%)
- Yellow (76%)
- Blue (84%)



- Cyan (15%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)



- Cyan (28%)
- Magenta (22%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8204, 0.2895, 0.3095 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 55.8204, 0.2895, 0.3095 by changing the saturation by 10% instead.

■ 55.8204, 0.2895,
0.3095

■ 55.8204, 0.2895,
0.3095

409.0143, 0.3007,
0.3190

■ 40.0589, 0.2868,
0.3072

■ 98.7419, 0.2935,
0.3129

■ 27.5845, 0.2835,
0.3043

126.6708, 0.2950,
0.3142

■ 18.0127, 0.2791,
0.3006

159.4243, 0.2963,
0.3153

■ 10.9591, 0.2732,
0.2955

197.3867, 0.2974,
0.3162

■ 6.0393, 0.2648,
0.2882

240.9426, 0.2984,
0.3170

■ 2.8690, 0.2520,
0.2769

290.4762, 0.2993,

■ 1.0637, 0.2301,

0.3178

0.2572

346.3720, 0.3000,
0.3184

0.0000, 0.0000,
0.0000

55.8204, 0.2895,
0.3095

55.8204, 0.2895,
0.3095

48.6161, 0.2733,
0.2946

63.7808, 0.3052,
0.3229

42.1356, 0.2569,
0.2783

72.5143, 0.3203,
0.3349

36.3543, 0.2408,
0.2606

82.0461, 0.3346,
0.3456

31.2430, 0.2253,
0.2419

89.6503, 0.3383,
0.3557

26.7705, 0.2110,
0.2226

96.2302, 0.3367,
0.3659

■ 22.9018, 0.1985,
0.2030

■ 97.6872, 0.3363,
0.3681

■ 19.5978, 0.1881,
0.1837

■ 16.8118, 0.1801,
0.1653

■ 15.5554, 0.1768,
0.1563

Harmonies

Analogous

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



55.8204, 0.2873, 0.3178



55.8204, 0.2895, 0.3095



55.8204, 0.2978, 0.3065

Triad

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



55.8204, 0.2895, 0.3095



55.8204, 0.3341, 0.3280



55.8204, 0.3148, 0.3497

Complementary

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



55.8204, 0.2895, 0.3095



58.7021, 0.3376, 0.3478

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.



55.8204, 0.3275, 0.3522



55.8204, 0.2895, 0.3095



55.8204, 0.3388, 0.3394

Square

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



55.8204, 0.2895, 0.3095



55.8204, 0.3236, 0.3172



55.8204, 0.3364, 0.3483



55.8204, 0.3017, 0.3413

Rectangle

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



55.8204, 0.2895, 0.3095



55.8204, 0.3058, 0.3078



55.8204, 0.3364, 0.3483



55.8204, 0.3192, 0.3513

Sweetspot

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



55.8227, 0.2895, 0.3095



94.9093, 0.3066, 0.3240



62.7714, 0.3007, 0.3491



20.1141, 0.3054, 0.3231



0.0000, 0.0000, 0.0000



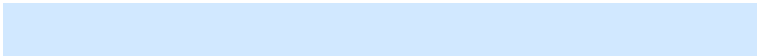
21.4041, 0.3127, 0.3290

Same Dimension

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



55.8227, 0.2895, 0.3095



78.5464, 0.2842, 0.3048



49.0452, 0.2888, 0.2901



13.0256, 0.2982, 0.3171



9.5146, 0.1775, 0.1589



0.7394, 0.1862, 0.1902

Inverse Universe

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



52.4276, 0.3271, 0.3103



72.7406, 0.3309, 0.3060



66.2052, 0.3350, 0.3652



12.5235, 0.3214, 0.3174



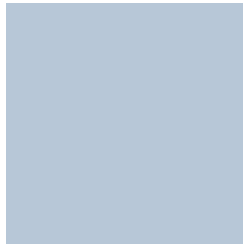
9.3053, 0.4945, 0.2498



0.5780, 0.4565, 0.2288

Previews

White Background



This preview shows how the Yxy color 55.8204, 0.2895, 0.3095 looks on a white background.

Color Contrast Check

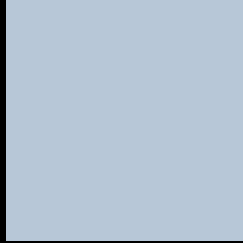
Large Text (above 18pt) WCAG AA × Fail

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 55.8204, 0.2895, 0.3095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

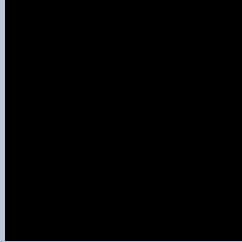
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

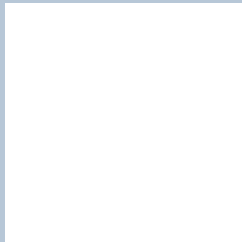
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.8204, 0.2895, 0.3095

Background



This preview shows how black text looks on a background with the Yxy color 55.8204, 0.2895, 0.3095.

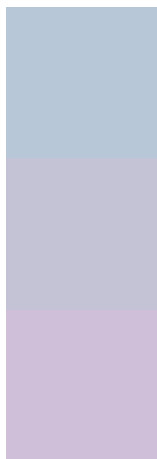


This preview shows how white text looks on a background with the Yxy color 55.8204, 0.2895, 0.3095.

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

55.8204, 0.2895, 0.3095

Protanopia

55.5701, 0.3005, 0.3076

Deuteranopia

55.5368, 0.3062, 0.2989



Tritanopia

55.8204, 0.2895, 0.3095

Trichromacy



Original Color

55.8204, 0.2895, 0.3095

Protanomaly

55.4113, 0.2960, 0.3074

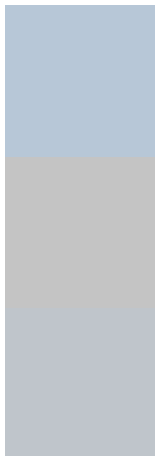
Deuteranomaly

55.5472, 0.2999, 0.3030

Tritanomaly

55.8204, 0.2895, 0.3095

Monochromacy



Original Color

55.8204, 0.2895, 0.3095

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

55.3207, 0.3037, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8204, 0.2895, 0.3095 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(183, 199, 215)` looks like.

```
.text, #text, p{  
    color:rgb(183, 199, 215)  
}
```

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(183, 199, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 199, 215) }
```

Border

The CSS property to change the border of an element to Yxy 55.8204, 0.2895, 0.3095 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(183, 199, 215) }
```

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

```
.border{ border-color:rgb(183, 199, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 199, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 199, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 199, 215);  
box-shadow:4px 4px 4px 4px rgb(183, 199,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8204, 0.2895, 0.3095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 199, 215) }
```

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

```
.background{ background-color: rgb(183,  
199, 215) }
```

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