

Converting Colors

$Y_{xy}(55.4753, 0.2759, 0.2859)$

Have a look what the booklet for
Yxy(55.4753, 0.2759, 0.2859)
contains.

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Color

Yxy(55.5190, 0.2758, 0.2862)

Conversions

Conversions Part 1

Format	Color
Hex	B4C5E9
RGB	180, 197, 233
RGB Percent	71%, 77%, 91%
CMY	0.2939, 0.2275, 0.0864
CMYK	0.23, 0.15, 0.00, 0.09
HSL	221°, 55%, 81%
HSV	221°, 23%, 91%
XYZ	53.5015, 55.5190, 84.9662
YIQ	196.0210, -21.6880, 7.5920

Conversions

Conversions Part 2

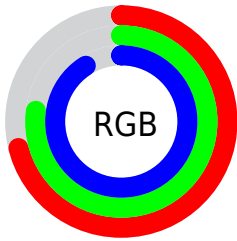
Format	Color
R _Y B	180, 193, 233
Decimal	11847145
CIE Lab	79.34, 1.89, -19.75
CIE LCh	79, 19.843, 275.473
Yxy	55.5190, 0.2758, 0.2862
Android (android.graphics.Color)	4290037225 (0xFFB4C5E9)
YUV	196.0210, 18.2306, -14.0504
Hunter-Lab	74.5111, -2.2252, -15.4516

Details

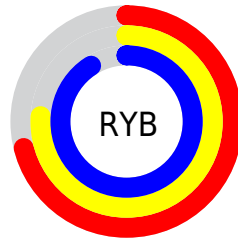
The Yxy color **55.5190, 0.2758, 0.2862** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **69.7423, 0.3508, 0.3684**, and the grayscale version is **55.1186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9365, 0.3011, 0.3280**, and **27.2549, 0.2661, 0.2751** is the 20% darker color. If you saturate the color by 10%, you get **46.1367, 0.2580, 0.2639**, and if you desaturate by 10%, it is **66.1315, 0.2927, 0.3064**.

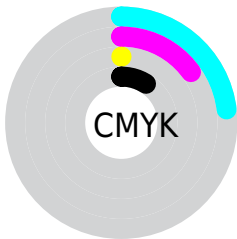
Distribution



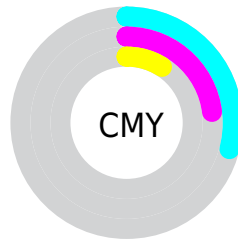
- Red (71%)
- Green (77%)
- Blue (91%)



- Red (71%)
- Yellow (76%)
- Blue (91%)



- Cyan (23%)
- Magenta (15%)
- Yellow (0%)
- Black (9%)



- Cyan (29%)
- Magenta (23%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.5190, 0.2758, 0.2862 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 55.5190, 0.2758, 0.2862 by changing the saturation by 10% instead.

■ 55.5190, 0.2758,
0.2862

■ 55.5190, 0.2758,
0.2862

407.8763, 0.2936,
0.3067

■ 39.8174, 0.2716,
0.2814

■ 98.3010, 0.2821,
0.2934

■ 27.3962, 0.2663,
0.2753

126.1501, 0.2845,
0.2962

■ 17.8710, 0.2595,
0.2676

158.8172, 0.2866,
0.2986

■ 10.8574, 0.2503,
0.2572

196.6867, 0.2883,
0.3006

■ 5.9710, 0.2375,
0.2428

240.1430, 0.2899,
0.3024

■ 2.8275, 0.2185,
0.2215

289.5704, 0.2913,

■ 1.0423, 0.1876,

0.3040

0.1875

345.3534, 0.2925,
0.3054

0.0000, 0.0000,
0.0000

55.5190, 0.2758,
0.2862

55.5190, 0.2758,
0.2862

46.1367, 0.2580,
0.2639

66.1315, 0.2927,
0.3064

37.9311, 0.2398,
0.2396

78.0113, 0.3086,
0.3245

30.8545, 0.2218,
0.2140

91.2027, 0.3233,
0.3404

24.8532, 0.2047,
0.1877

98.6617, 0.3256,
0.3503

19.8684, 0.1893,
0.1618

■ 15.8347, 0.1765,
0.1374

■ 12.6770, 0.1669,
0.1158

■ 10.8591, 0.1617,
0.1021

Harmonies

Analogous

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



55.5190, 0.2644, 0.2956



55.5190, 0.2758, 0.2862



55.5190, 0.2971, 0.2878

Triad

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



55.5190, 0.2758, 0.2862



55.5190, 0.3626, 0.3398



55.5190, 0.3005, 0.3618

Complementary

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



55.5190, 0.2758, 0.2862



69.7423, 0.3508, 0.3684

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.



55.5190, 0.3268, 0.3744



55.5190, 0.2758, 0.2862



55.5190, 0.3633, 0.3601

Square

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



55.5190, 0.2758, 0.2862



55.5190, 0.3478, 0.3179



55.5190, 0.3499, 0.3733



55.5190, 0.2782, 0.3394

Rectangle

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



55.5190, 0.2758, 0.2862



55.5190, 0.3146, 0.2944



55.5190, 0.3499, 0.3733



55.5190, 0.3092, 0.3674

Sweetspot

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



55.5212, 0.2758, 0.2862



89.2710, 0.3019, 0.3169



72.8953, 0.2890, 0.3495



18.9176, 0.3009, 0.3159



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.



55.5212, 0.2758, 0.2862



62.8848, 0.2680, 0.2766



49.3465, 0.2807, 0.2665



15.3362, 0.2980, 0.3125



6.3614, 0.1625, 0.1049



0.6676, 0.1701, 0.1323

Inverse Universe

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



54.0127, 0.3447, 0.3102



61.0047, 0.3528, 0.3064



77.4316, 0.3406, 0.3869



15.1335, 0.3243, 0.3215



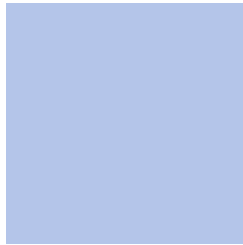
10.1350, 0.5686, 0.2906



0.8128, 0.5294, 0.2690

Previews

White Background



This preview shows how the Yxy color 55.5190, 0.2758, 0.2862 looks on a white background.

Color Contrast Check

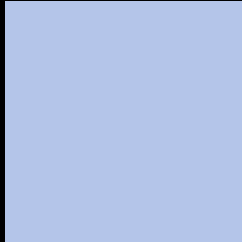
Large Text (above 18pt) WCAG AA × Fail

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 55.5190, 0.2758, 0.2862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

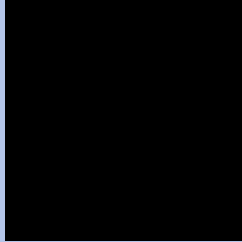
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

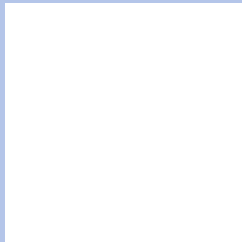
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.5190, 0.2758, 0.2862

Background



This preview shows how black text looks on a background with the Yxy color 55.5190, 0.2758, 0.2862.



This preview shows how white text looks on a background with the Yxy color 55.5190, 0.2758, 0.2862.

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

55.5190, 0.2758, 0.2862

Protanopia

55.6186, 0.2831, 0.2867

Deuteranopia

55.5101, 0.2868, 0.2806



Tritanopia

55.6135, 0.2847, 0.3093

Trichromacy



Original Color

55.5190, 0.2758, 0.2862

Protanomaly

55.7452, 0.2804, 0.2866

Deuteranomaly

55.6005, 0.2826, 0.2824

Tritanomaly

55.5858, 0.2814, 0.3010

Monochromacy



Original Color

55.5190, 0.2758, 0.2862

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

55.0305, 0.2987, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5190, 0.2758, 0.2862 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(180, 197, 233)` looks like.

```
.text, #text, p{  
    color:rgb(180, 197, 233)  
}
```

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(180, 197, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 197, 233) }
```

Border

The CSS property to change the border of an element to Yxy 55.5190, 0.2758, 0.2862 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(180, 197, 233) }
```

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

```
.border{ border-color:rgb(180, 197, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 197, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 197, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 197, 233);  
box-shadow:4px 4px 4px 4px rgb(180, 197,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5190, 0.2758, 0.2862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 197, 233) }
```

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

```
.background{ background-color: rgb(180,  
197, 233) }
```

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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