

Converting Colors

$Y_{xy}(58.3830, 0.2381, 0.2196)$

Have a look what the booklet for
Yxy(58.3830, 0.2381, 0.2196)
contains.

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Color

Yxy(55.0337, 0.2599, 0.2589)

Conversions

Conversions Part 1

Format	Color
Hex	B0C2FF
RGB	176, 194, 255
RGB Percent	69%, 76%, 100%
CMY	0.3097, 0.2392, 0.0001
CMYK	0.31, 0.24, 0.00, 0.00
HSL	226°, 100%, 85%
HSV	226°, 31%, 100%
XYZ	55.2463, 55.0337, 102.2874
YIQ	195.5720, -30.3090, 15.1550

Conversions

Conversions Part 2

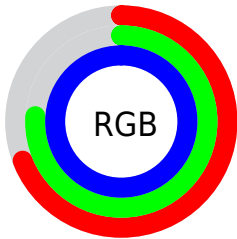
Format	Color
RYB	176, 191, 255
Decimal	11584255
CIELab	79.06, 7.53, -31.98
CIELCh	79, 32.855, 283.255
Yxy	55.0337, 0.2599, 0.2589
Android (android.graphics.Color)	4289774335 (0xFFB0C2FF)
YUV	195.5720, 29.2980, -17.1646
Hunter-Lab	74.1847, 3.1079, -29.8210

Details

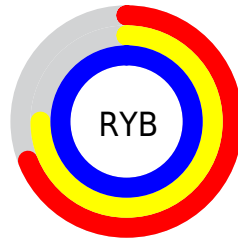
The Yxy color **55.0337, 0.2599, 0.2589** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.9541, 0.3646, 0.3904**, and the grayscale version is **54.7710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.9149, 0.2993, 0.3240**, and **27.1919, 0.2464, 0.2428** is the 20% darker color. If you saturate the color by 10%, you get **44.1446, 0.2407, 0.2314**, and if you desaturate by 10%, it is **67.6467, 0.2783, 0.2842**.

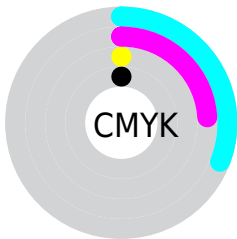
Distribution



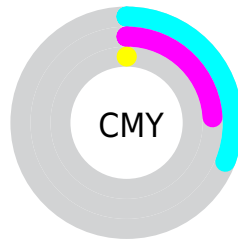
- Red (69%)
- Green (76%)
- Blue (100%)



- Red (69%)
- Yellow (75%)
- Blue (100%)



- Cyan (31%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.0337, 0.2599, 0.2589 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 55.0337, 0.2599, 0.2589 by changing the saturation by 10% instead.

■ 55.0337, 0.2599,
0.2589

■ 55.0337, 0.2599,
0.2589

406.0397, 0.2852,
0.2917

■ 39.4287, 0.2540,
0.2514

■ 97.5903, 0.2688,
0.2703

■ 27.0934, 0.2466,
0.2421

125.3108, 0.2723,
0.2748

■ 17.6434, 0.2371,
0.2304

157.8384, 0.2752,
0.2786

■ 10.6943, 0.2247,
0.2153

195.5578, 0.2777,
0.2819

■ 5.8616, 0.2078,
0.1950

238.8532, 0.2800,
0.2848

■ 2.7611, 0.1835,
0.1669

288.1090, 0.2819,

■ 1.0083, 0.1473,

0.2874

0.1266

343.7097, 0.2837,
0.2897

0.0000, 0.0311,
0.0000

0.0000, 0.0000,
0.0000

55.0337, 0.2599,
0.2589

55.0337, 0.2599,
0.2589

44.1446, 0.2407,
0.2314

67.6467, 0.2783,
0.2842

34.8964, 0.2214,
0.2025

82.0489, 0.2955,
0.3070

27.2084, 0.2029,
0.1730

98.3099, 0.3113,
0.3272

20.9904, 0.1861,
0.1445

99.9977, 0.3127,
0.3290

■ 16.1420, 0.1722,
0.1187

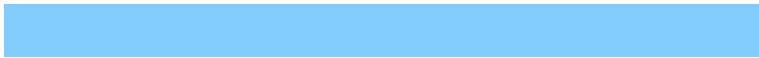
■ 12.5488, 0.1621,
0.0970

■ 10.2485, 0.1561,
0.0818

Harmonies

Analogous

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



55.0337, 0.2376, 0.2681



55.0337, 0.2599, 0.2589



55.0337, 0.2972, 0.2663

Triad

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



55.0337, 0.2599, 0.2589



55.0337, 0.3988, 0.3539



55.0337, 0.2813, 0.3761

Complementary

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



55.0337, 0.2599, 0.2589



84.9541, 0.3646, 0.3904

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.



55.0337, 0.3234, 0.4032



55.0337, 0.2599, 0.2589



55.0337, 0.3926, 0.3858

Square

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



55.0337, 0.2599, 0.2589



55.0337, 0.3797, 0.3188



55.0337, 0.3644, 0.4054



55.0337, 0.2490, 0.3344

Rectangle

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



55.0337, 0.2599, 0.2589



55.0337, 0.3267, 0.2793



55.0337, 0.3644, 0.4054



55.0337, 0.2947, 0.3875

Sweetspot

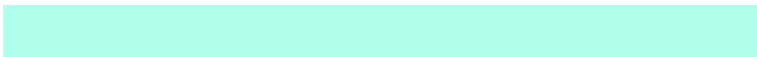
The Sweet Spot groups the original color and five complimentary colors.



55.0359, 0.2599, 0.2589



85.1118, 0.2987, 0.3111



86.8190, 0.2771, 0.3492



17.7330, 0.2963, 0.3081



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.



55.0359, 0.2599, 0.2589



48.2699, 0.2484, 0.2425



50.1620, 0.2721, 0.2411



18.0485, 0.2979, 0.3101



5.5399, 0.1567, 0.0842



0.6954, 0.1623, 0.1043

Inverse Universe

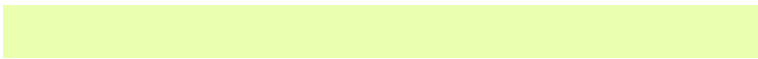
The Inverse Universe completely reimagines the original color for something new.



56.2114, 0.3672, 0.3104



50.0104, 0.3825, 0.3067



92.1112, 0.3453, 0.4105



18.0548, 0.3258, 0.3236



11.2872, 0.6003, 0.3081



1.1147, 0.5695, 0.2911

Previews

White Background



This preview shows how the Yxy color 55.0337, 0.2599, 0.2589 looks on a white background.

Color Contrast Check

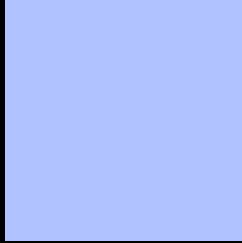
Large Text (above 18pt) WCAG AA × Fail

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 55.0337, 0.2599, 0.2589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

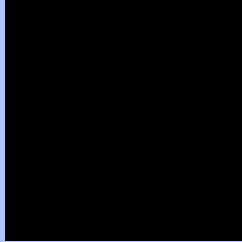
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.0337, 0.2599, 0.2589

Background



This preview shows how black text looks on a background with the Yxy color 55.0337, 0.2599, 0.2589.



This preview shows how white text looks on a background with the Yxy color 55.0337, 0.2599, 0.2589.

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

55.0337, 0.2599, 0.2589

Protanopia

54.8794, 0.2622, 0.2590

Deuteranopia

54.8644, 0.2634, 0.2572



Tritanopia

55.1079, 0.2779, 0.3090

Trichromacy



Original Color

55.0337, 0.2599, 0.2589

Protanomaly

54.7607, 0.2616, 0.2589

Deuteranomaly

55.0632, 0.2623, 0.2582

Tritanomaly

54.8156, 0.2710, 0.2890

Monochromacy



Original Color

55.0337, 0.2599, 0.2589

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

54.8588, 0.2924, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.0337, 0.2599, 0.2589 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(176, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 194, 255)  
}
```

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(176, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 194, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.0337, 0.2599, 0.2589 is called "border". The border property can be set on classes, ids or directly on the HTML element.

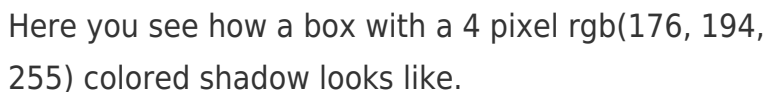
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 194, 255) }
```

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

```
.border{ border-color:rgb(176, 194, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(176, 194,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.0337, 0.2599, 0.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 194, 255) }
```

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

```
.background{ background-color: rgb(176,  
194, 255) }
```

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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