

Converting Colors

$Y_{xy}(55.2220, 0.2678, 0.2570)$

Have a look what the booklet for
Yxy(55.2220, 0.2678, 0.2570)
contains.

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Color

Yxy(55.3004, 0.2680, 0.2570)

Conversions

Conversions Part 1

Format	Color
Hex	BDBFFF
RGB	189, 191, 255
RGB Percent	74%, 75%, 100%
CMY	0.2587, 0.2510, 0.0002
CMYK	0.26, 0.25, 0.00, 0.00
HSL	238°, 100%, 87%
HSV	238°, 26%, 100%
XYZ	57.6673, 55.3004, 102.2089
YIQ	197.6980, -21.7360, 19.4800

Conversions

Conversions Part 2

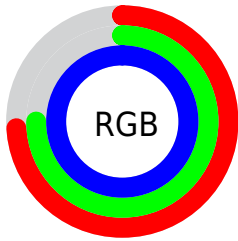
Format	Color
R _Y B	189, 191, 255
Decimal	12435455
CIE Lab	79.21, 12.88, -31.67
CIE LCh	79, 34.185, 292.136
Yxy	55.3004, 0.2680, 0.2570
Android (android.graphics.Color)	4290625535 (0xFFBDBFFF)
YUV	197.6980, 28.2499, -7.6281
Hunter-Lab	74.3642, 8.2842, -29.4354

Details

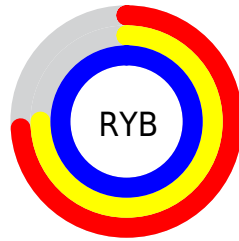
The Yxy color **55.3004, 0.2680, 0.2570** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **95.1742, 0.3524, 0.3921**, and the grayscale version is **56.1178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3344, 0.3074, 0.3212**, and **27.3225, 0.2563, 0.2405** is the 20% darker color. If you saturate the color by 10%, you get **42.4302, 0.2475, 0.2237**, and if you desaturate by 10%, it is **70.5699, 0.2869, 0.2875**.

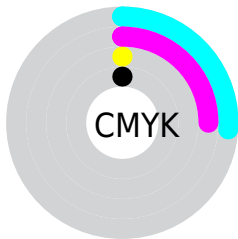
Distribution



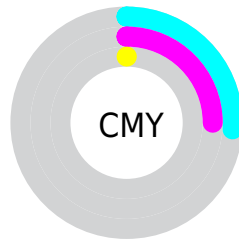
- Red (74%)
- Green (75%)
- Blue (100%)



- Red (74%)
- Yellow (75%)
- Blue (100%)



- Cyan (26%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3004, 0.2680, 0.2570 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 55.3004, 0.2680, 0.2570 by changing the saturation by 10% instead.

■ 55.3004, 0.2680,
0.2570

■ 55.3004, 0.2680,
0.2570

407.0496, 0.2896,
0.2904

■ 39.6423, 0.2629,
0.2494

■ 97.9809, 0.2757,
0.2686

■ 27.2597, 0.2565,
0.2401

125.7722, 0.2786,
0.2731

■ 17.7684, 0.2483,
0.2283

158.3766, 0.2811,
0.2770

■ 10.7838, 0.2374,
0.2132

196.1785, 0.2833,
0.2804

■ 5.9217, 0.2224,
0.1931

239.5624, 0.2852,
0.2833

■ 2.7975, 0.2006,
0.1653

288.9126, 0.2868,

■ 1.0270, 0.1673,

0.2860

0.1258

344.6135, 0.2883,
0.2883

0.0000, 0.0807,
0.0000

0.0000, 0.0000,
0.0000

55.3004, 0.2680,
0.2570

55.3004, 0.2680,
0.2570

42.4302, 0.2475,
0.2237

70.5699, 0.2869,
0.2875

31.8311, 0.2261,
0.1887

88.3448, 0.3038,
0.3147

23.3733, 0.2049,
0.1538

99.9975, 0.3127,
0.3290

16.9111, 0.1854,
0.1215

■ 12.2805, 0.1693,
0.0944

■ 9.2918, 0.1579,
0.0748

■ 7.7137, 0.1517,
0.0636

■ 7.3828, 0.1504,
0.0612

Harmonies

Analogous

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



55.3004, 0.2398, 0.2611



55.3004, 0.2680, 0.2570



55.3004, 0.3099, 0.2694

Triad

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



55.3004, 0.2680, 0.2570



55.3004, 0.4030, 0.3651



55.3004, 0.2686, 0.3660

Complementary

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



55.3004, 0.2680, 0.2570



95.1742, 0.3524, 0.3921

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.



55.3004, 0.3103, 0.4004



55.3004, 0.2680, 0.2570



55.3004, 0.3890, 0.3956

Square

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



55.3004, 0.2680, 0.2570



55.3004, 0.3908, 0.3289



55.3004, 0.3545, 0.4105



55.3004, 0.2400, 0.3213

Rectangle

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



55.3004, 0.2680, 0.2570



55.3004, 0.3408, 0.2852



55.3004, 0.3545, 0.4105



55.3004, 0.2815, 0.3795

Sweetspot

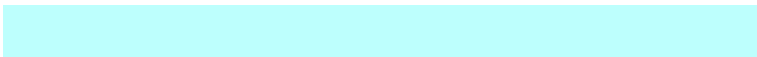
The Sweet Spot groups the original color and five complimentary colors.



55.3026, 0.2680, 0.2570



84.3507, 0.3003, 0.3091



89.3952, 0.2758, 0.3312



17.4646, 0.2978, 0.3051



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.



55.3026, 0.2680, 0.2570



48.4088, 0.2576, 0.2402



58.8110, 0.2895, 0.2591



17.4646, 0.2978, 0.3051



3.8966, 0.1505, 0.0618



0.4087, 0.1517, 0.0660

Inverse Universe

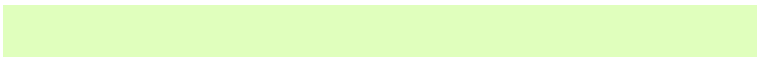
The Inverse Universe completely reimagines the original color for something new.



61.4235, 0.3666, 0.3271



55.5179, 0.3815, 0.3267



91.0493, 0.3314, 0.3984



17.9959, 0.3290, 0.3283



11.1213, 0.6371, 0.3283



1.0858, 0.6299, 0.3244

Previews

White Background



This preview shows how the Yxy color 55.3004, 0.2680, 0.2570 looks on a white background.

Color Contrast Check

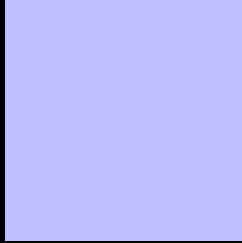
Large Text (above 18pt) WCAG AA × Fail

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 55.3004, 0.2680, 0.2570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

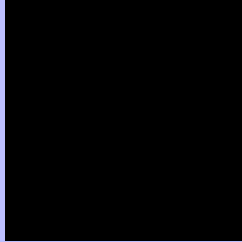
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.3004, 0.2680, 0.2570

Background



This preview shows how black text looks on a background with the Yxy color 55.3004, 0.2680, 0.2570.

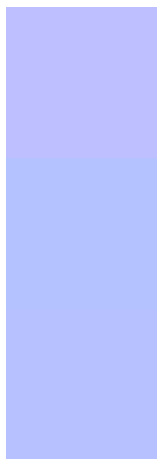


This preview shows how white text looks on a background with the Yxy color 55.3004, 0.2680, 0.2570.

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

55.3004, 0.2680, 0.2570

Protanopia

55.5069, 0.2624, 0.2593

Deuteranopia

55.5503, 0.2649, 0.2587



Tritanopia

55.5256, 0.2888, 0.3106

Trichromacy



Original Color

55.3004, 0.2680, 0.2570

Protanomaly

55.4272, 0.2642, 0.2585

Deuteranomaly

55.3584, 0.2661, 0.2577

Tritanomaly

55.3273, 0.2810, 0.2897

Monochromacy



Original Color

55.3004, 0.2680, 0.2570

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

55.7468, 0.2955, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.3004, 0.2680, 0.2570 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(189, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 191, 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(189, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 191, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.3004, 0.2680, 0.2570 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(189, 191, 255) }
```

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

```
.border{ border-color:rgb(189, 191, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 191, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 191, 255);  
box-shadow:4px 4px 4px 4px rgb(189, 191,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.3004, 0.2680, 0.2570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 191, 255) }
```

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

```
.background{ background-color: rgb(189,  
191, 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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