

Converting Colors

$Y_{xy}(55.7552, 0.2659, 0.2728)$

Have a look what the booklet for
Yxy(55.7552, 0.2659, 0.2728)
contains.

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Color

Yxy(55.7552, 0.2659, 0.2728)

Conversions

Conversions Part 1

Format	Color
Hex	B0C5F5
RGB	176, 197, 245
RGB Percent	69%, 77%, 96%
CMY	0.3100, 0.2274, 0.0392
CMYK	0.28, 0.20, 0.00, 0.04
HSL	222°, 78%, 83%
HSV	222°, 28%, 96%
XYZ	54.3450, 55.7552, 94.2811
YIQ	196.1930, -27.9240, 10.4760

Conversions

Conversions Part 2

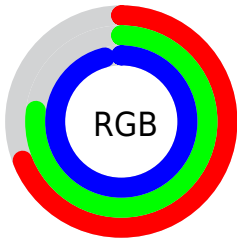
Format	Color
R _Y B	176, 192, 245
Decimal	11585013
CIE Lab	79.47, 3.47, -26.02
CIE LCh	79, 26.247, 277.594
Yxy	55.7552, 0.2659, 0.2728
Android (android.graphics.Color)	4289775093 (0xFFB0C5F5)
YUV	196.1930, 24.0619, -17.7093
Hunter-Lab	74.6694, -0.7578, -22.5937

Details

The Yxy color $55.7552, 0.2659, 0.2728$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $75.8273, 0.3609, 0.3794$, and the grayscale version is $55.1868, 0.3127, 0.3290$.

A 20% lighter version of the original color is $95.4273, 0.2993, 0.3280$, and $27.4566, 0.2538, 0.2578$ is the 20% darker color. If you saturate the color by 10%, you get $45.8531, 0.2476, 0.2488$, and if you desaturate by 10%, it is $67.0507, 0.2835, 0.2948$.

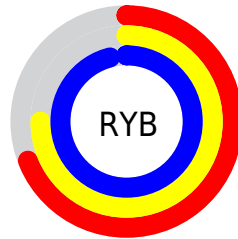
Distribution



Red (69%)

Green (77%)

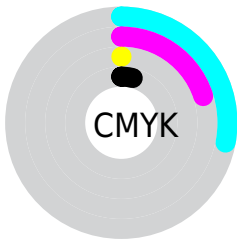
Blue (96%)



Red (69%)

Yellow (75%)

Blue (96%)

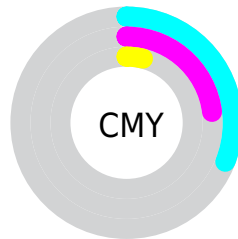


Cyan (28%)

Magenta (20%)

Yellow (0%)

Black (4%)



Cyan (31%)

Magenta (23%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.7552, 0.2659, 0.2728 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 55.7552, 0.2659, 0.2728 by changing the saturation by 10% instead.

■ 55.7552, 0.2659,
0.2728

■ 55.7552, 0.2659,
0.2728

408.7683, 0.2883,
0.2994

■ 40.0067, 0.2606,
0.2666

■ 98.6466, 0.2738,
0.2821

■ 27.5438, 0.2540,
0.2589

126.5582, 0.2768,
0.2857

■ 17.9820, 0.2456,
0.2491

159.2930, 0.2794,
0.2888

■ 10.9371, 0.2344,
0.2362

197.2354, 0.2817,
0.2915

■ 6.0245, 0.2190,
0.2186

240.7697, 0.2837,
0.2939

■ 2.8600, 0.1967,
0.1934

290.2803, 0.2854,

■ 1.0591, 0.1620,

0.2959

0.1553

346.1518, 0.2869,
0.2978

0.0000, 0.0145,
0.0000

0.0000, 0.0000,
0.0000

55.7552, 0.2659,
0.2728

55.7552, 0.2659,
0.2728

45.8531, 0.2476,
0.2488

67.0507, 0.2835,
0.2948

37.2809, 0.2292,
0.2230

79.7861, 0.3001,
0.3145

29.9802, 0.2114,
0.1963

94.0139, 0.3154,
0.3320

23.8849, 0.1949,
0.1695

99.3724, 0.3185,
0.3386

■ 18.9220, 0.1807,
0.1439

■ 15.0093, 0.1695,
0.1208

■ 12.0437, 0.1618,
0.1012

■ 11.5856, 0.1606,
0.0980

Harmonies

Analogous

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



55.7552, 0.2503, 0.2835



55.7552, 0.2659, 0.2728



55.7552, 0.2943, 0.2761

Triad

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



55.7552, 0.2659, 0.2728



55.7552, 0.3796, 0.3445



55.7552, 0.2940, 0.3712

Complementary

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



55.7552, 0.2659, 0.2728



75.8273, 0.3609, 0.3794

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.



55.7552, 0.3283, 0.3891



55.7552, 0.2659, 0.2728



55.7552, 0.3788, 0.3709

Square

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



55.7552, 0.2659, 0.2728



55.7552, 0.3611, 0.3161



55.7552, 0.3596, 0.3881



55.7552, 0.2657, 0.3401

Rectangle

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



55.7552, 0.2659, 0.2728



55.7552, 0.3174, 0.2853



55.7552, 0.3596, 0.3881



55.7552, 0.3052, 0.3791

Sweetspot

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



55.7574, 0.2659, 0.2728



87.6188, 0.3003, 0.3148



79.8643, 0.2830, 0.3538



18.2810, 0.2979, 0.3120



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.



55.7574, 0.2659, 0.2728



54.4911, 0.2552, 0.2589



48.3986, 0.2723, 0.2492



16.7508, 0.2980, 0.3121



6.4547, 0.1614, 0.1008



0.7410, 0.1681, 0.1252

Inverse Universe

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



54.4800, 0.3559, 0.3065



53.3045, 0.3684, 0.3016



85.6496, 0.3465, 0.4017



16.5657, 0.3246, 0.3218



10.7510, 0.5746, 0.2939



0.9624, 0.5392, 0.2744

Previews

White Background



This preview shows how the Yxy color 55.7552, 0.2659, 0.2728 looks on a white background.

Color Contrast Check

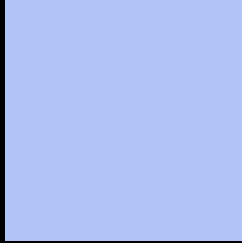
Large Text (above 18pt) WCAG AA × Fail

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 55.7552, 0.2659, 0.2728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

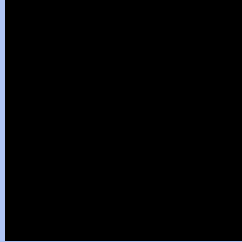
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

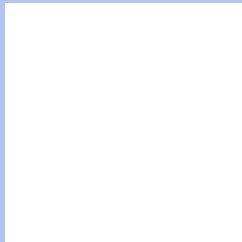
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.7552, 0.2659, 0.2728

Background



This preview shows how black text looks on a background with the Yxy color 55.7552, 0.2659, 0.2728.



This preview shows how white text looks on a background with the Yxy color 55.7552, 0.2659, 0.2728.

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

55.7552, 0.2659, 0.2728

Protanopia

55.8156, 0.2728, 0.2734

Deuteranopia

55.7409, 0.2742, 0.2685



Tritanopia

55.8491, 0.2787, 0.3091

Trichromacy



Original Color

55.7552, 0.2659, 0.2728

Protanomaly

55.9566, 0.2703, 0.2732

Deuteranomaly

55.5517, 0.2709, 0.2691

Tritanomaly

55.6806, 0.2737, 0.2950

Monochromacy



Original Color

55.7552, 0.2659, 0.2728

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

55.1537, 0.2945, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7552, 0.2659, 0.2728 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, 197, 245)` looks like.

```
.text, #text, p{  
    color:rgb(176, 197, 245)  
}
```

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, 197, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 197, 245) }
```

Border

The CSS property to change the border of an element to Yxy 55.7552, 0.2659, 0.2728 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, 197, 245) }
```

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

```
.border{ border-color:rgb(176, 197, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 197, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 197, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 197, 245);  
box-shadow:4px 4px 4px 4px rgb(176, 197,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7552, 0.2659, 0.2728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 197, 245) }
```

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

```
.background{ background-color: rgb(176,  
197, 245) }
```

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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