

Converting Colors

$Y_{xy}(58.1926, 0.2638, 0.2661)$

Have a look what the booklet for
Yxy(58.1926, 0.2638, 0.2661)
contains.

Yxy(58.3523, 0.2638, 0.2665)	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(58.3523, 0.2638, 0.2665)

Conversions

Conversions Part 1

Format	Color
Hex	B5C8FF
RGB	181, 200, 255
RGB Percent	71%, 78%, 100%
CMY	0.2902, 0.2157, 0.0000
CMYK	0.29, 0.22, 0.00, 0.00
HSL	225°, 100%, 85%
HSV	225°, 29%, 100%
XYZ	57.7611, 58.3523, 102.8446
YIQ	200.5890, -28.9790, 13.0770

Conversions

Conversions Part 2

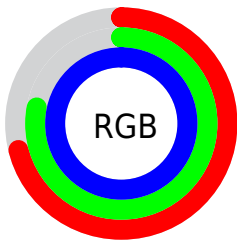
Format	Color
R_{YB}	181, 196, 255
Decimal	11913471
CIE Lab	80.93, 5.70, -29.10
CIE LCh	81, 29.656, 281.072
Yxy	58.3523, 0.2638, 0.2665
Android (android.graphics.Color)	4290103551 (0xFFB5C8FF)
YUV	200.5890, 26.8246, -17.1796
Hunter-Lab	76.3887, 1.2922, -26.3520

Details

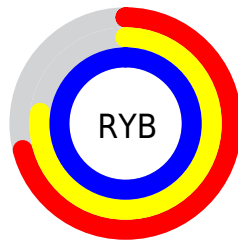
The Yxy color **58.3523, 0.2638, 0.2665** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.5800, 0.3617, 0.3845**, and the grayscale version is **57.9849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **29.0706, 0.2514, 0.2514** is the 20% darker color. If you saturate the color by 10%, you get **47.3073, 0.2450, 0.2405**, and if you desaturate by 10%, it is **71.0510, 0.2818, 0.2904**.

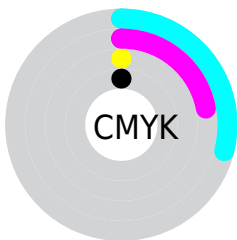
Distribution



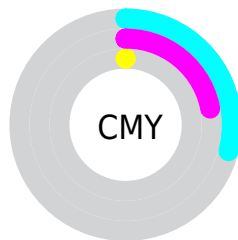
- Red (71%)
- Green (78%)
- Blue (100%)



- Red (71%)
- Yellow (77%)
- Blue (100%)



- Cyan (29%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3523, 0.2638, 0.2665 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 58.3523, 0.2638, 0.2665 by changing the saturation by 10% instead.

■ 58.3523, 0.2638,
0.2665

■ 58.3523, 0.2638,
0.2665

418.4974, 0.2870,
0.2957

■ 42.0919, 0.2584,
0.2598

■ 102.4357, 0.2720,
0.2766

■ 29.1733, 0.2517,
0.2516

131.0276, 0.2751,
0.2806

■ 19.2120, 0.2431,
0.2412

164.4987, 0.2778,
0.2840

■ 11.8235, 0.2319,
0.2277

203.2335, 0.2801,
0.2869

■ 6.6236, 0.2166,
0.2096

247.6164, 0.2822,
0.2895

■ 3.2279, 0.1947,
0.1844

298.0317, 0.2840,

■ 1.2518, 0.1617,

0.2918

0.1474

354.8639, 0.2856,
0.2939

0.1034, 0.0781,
0.0340

0.0000, 0.0000,
0.0000

58.3523, 0.2638,
0.2665

58.3523, 0.2638,
0.2665

47.3073, 0.2450,
0.2405

71.0510, 0.2818,
0.2904

37.8429, 0.2260,
0.2128

85.4668, 0.2987,
0.3118

29.8843, 0.2076,
0.1843

100.0000, 0.3127,
0.3290

23.3490, 0.1907,
0.1562

■ 18.1459, 0.1764,
0.1300

■ 14.1716, 0.1655,
0.1072

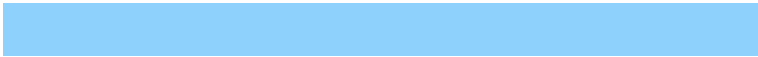
■ 11.2931, 0.1582,
0.0888

■ 11.0590, 0.1576,
0.0873

Harmonies

Analogous

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



58.3523, 0.2448, 0.2762



58.3523, 0.2638, 0.2665



58.3523, 0.2964, 0.2720

Triad

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



58.3523, 0.2638, 0.2665



58.3523, 0.3883, 0.3494



58.3523, 0.2876, 0.3727

Complementary

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



58.3523, 0.2638, 0.2665



84.5800, 0.3617, 0.3845

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.



58.3523, 0.3254, 0.3951



58.3523, 0.2638, 0.2665



58.3523, 0.3847, 0.3781

Square

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



58.3523, 0.2638, 0.2665



58.3523, 0.3699, 0.3180



58.3523, 0.3612, 0.3960



58.3523, 0.2578, 0.3368

Rectangle

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



58.3523, 0.2638, 0.2665



58.3523, 0.3224, 0.2831



58.3523, 0.3612, 0.3960



58.3523, 0.2997, 0.3823

Sweetspot

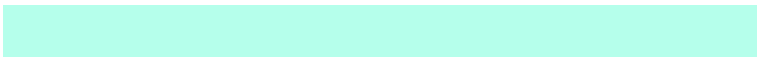
The Sweet Spot groups the original color and five complimentary colors.



58.3531, 0.2638, 0.2665



85.5016, 0.2987, 0.3118



87.3563, 0.2803, 0.3506



17.8284, 0.2963, 0.3089



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.



58.3531, 0.2638, 0.2665



51.5565, 0.2526, 0.2512



52.3058, 0.2734, 0.2469



18.1361, 0.2979, 0.3108



5.9801, 0.1583, 0.0899



0.7492, 0.1641, 0.1109

Inverse Universe

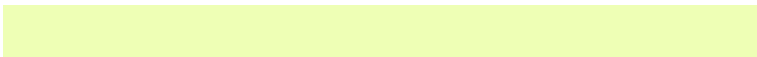
The Inverse Universe completely reimagines the original color for something new.



58.4748, 0.3608, 0.3094



52.1018, 0.3748, 0.3052



92.9866, 0.3450, 0.4048



18.0636, 0.3254, 0.3229



11.3317, 0.5914, 0.3031



1.1202, 0.5598, 0.2857

Previews

White Background



This preview shows how the Yxy color 58.3523, 0.2638, 0.2665 looks on a white background.

Color Contrast Check

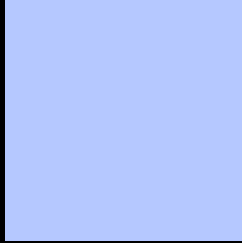
Large Text (above 18pt) WCAG AA × Fail

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 58.3523, 0.2638, 0.2665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

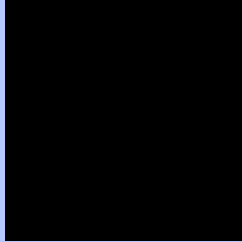
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.3523, 0.2638, 0.2665

Background



This preview shows how black text looks on a background with the Yxy color 58.3523, 0.2638, 0.2665.



This preview shows how white text looks on a background with the Yxy color 58.3523, 0.2638, 0.2665.

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

58.3523, 0.2638, 0.2665

Protanopia

58.1087, 0.2680, 0.2658

Deuteranopia

58.2289, 0.2699, 0.2641



Tritanopia

58.4152, 0.2793, 0.3095

Trichromacy



Original Color

58.3523, 0.2638, 0.2665

Protanomaly

58.3169, 0.2668, 0.2668

Deuteranomaly

58.1730, 0.2674, 0.2648

Tritanomaly

58.4734, 0.2738, 0.2934

Monochromacy



Original Color

58.3523, 0.2638, 0.2665

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

58.4631, 0.2936, 0.3055

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3523, 0.2638, 0.2665 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(181, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 200, 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(181, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 200, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.3523, 0.2638, 0.2665 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(181, 200, 255) }
```

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

```
.border{ border-color:rgb(181, 200, 255) }
```

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

Here you see how a box with a 4 pixel rgb(181, 200, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 200,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3523, 0.2638, 0.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 200, 255) }
```

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

```
.background{ background-color: rgb(181,  
200, 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](#).

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