

Converting Colors

$Y_{xy}(62.1470, 0.2390, 0.2230)$

Have a look what the booklet for
Yxy(62.1470, 0.2390, 0.2230)
contains.

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Color

Yxy(58.6966, 0.2633, 0.2676)

Conversions

Conversions Part 1

Format	Color
Hex	B4C9FF
RGB	180, 201, 255
RGB Percent	71%, 79%, 100%
CMY	0.2942, 0.2117, 0.0000
CMYK	0.29, 0.21, 0.00, 0.00
HSL	223°, 100%, 85%
HSV	223°, 29%, 100%
XYZ	57.7534, 58.6966, 102.8945
YIQ	200.8770, -29.8500, 12.3420

Conversions

Conversions Part 2

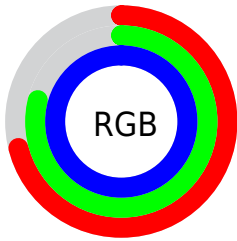
Format	Color
RYB	180, 196, 255
Decimal	11848191
CIELab	81.12, 4.86, -28.81
CIElCh	81, 29.214, 279.568
Yxy	58.6966, 0.2633, 0.2676
Android (android.graphics.Color)	4290038271 (0xFFB4C9FF)
YUV	200.8770, 26.6826, -18.3091
Hunter-Lab	76.6137, 0.4840, -25.9987

Details

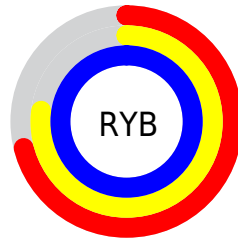
The Yxy color **58.6966, 0.2633, 0.2676** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **83.3755, 0.3629, 0.3836**, and the grayscale version is **58.1723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **29.3046, 0.2509, 0.2528** is the 20% darker color. If you saturate the color by 10%, you get **47.8647, 0.2447, 0.2424**, and if you desaturate by 10%, it is **71.1176, 0.2812, 0.2907**.

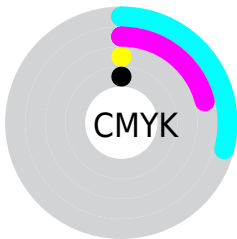
Distribution



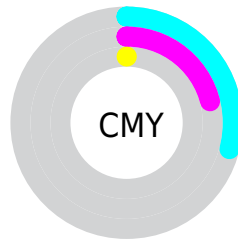
- Red (71%)
- Green (79%)
- Blue (100%)



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



- Cyan (29%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.6966, 0.2633, 0.2676 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 58.6966, 0.2633, 0.2676 by changing the saturation by 10% instead.


 58.6966, 0.2633,
0.2676

 58.6966, 0.2633,
0.2676


419.7766, 0.2867,
0.2963

 42.3689, 0.2579,
0.2610

 102.9366, 0.2715,
0.2776

 29.3903, 0.2511,
0.2529


131.6177, 0.2747,
0.2815

 19.3763, 0.2425,
0.2427


165.1854, 0.2774,
0.2848

 11.9425, 0.2312,
0.2294

204.0241, 0.2798,
0.2877

 6.7045, 0.2159,
0.2116

248.5181, 0.2818,
0.2902

 3.2780, 0.1940,
0.1866

299.0520, 0.2837,

 1.2785, 0.1610,

0.2925

0.1500

356.0100, 0.2853,
0.2945

0.1245, 0.0773,
0.0406

0.0000, 0.0000,
0.0000

58.6966, 0.2633,
0.2676

58.6966, 0.2633,
0.2676

47.8647, 0.2447,
0.2424

71.1176, 0.2812,
0.2907

38.5488, 0.2260,
0.2155

85.1838, 0.2980,
0.3115

30.6791, 0.2079,
0.1878

100.0000, 0.3127,
0.3290

24.1775, 0.1914,
0.1603

■ 18.9576, 0.1774,
0.1346

■ 14.9214, 0.1666,
0.1118

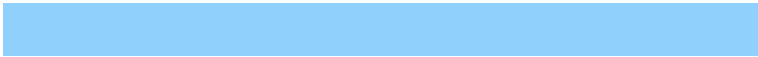
■ 11.9387, 0.1593,
0.0931

■ 11.7924, 0.1590,
0.0922

Harmonies

Analogous

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



58.6966, 0.2454, 0.2780



58.6966, 0.2633, 0.2676



58.6966, 0.2949, 0.2723

Triad

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



58.6966, 0.2633, 0.2676



58.6966, 0.3866, 0.3476



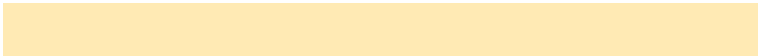
58.6966, 0.2898, 0.3735

Complementary

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



58.6966, 0.2633, 0.2676



83.3755, 0.3629, 0.3836

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.



58.6966, 0.3271, 0.3944



58.6966, 0.2633, 0.2676



58.6966, 0.3842, 0.3761

Square

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



58.6966, 0.2633, 0.2676



58.6966, 0.3676, 0.3167



58.6966, 0.3619, 0.3944



58.6966, 0.2598, 0.3385

Rectangle

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



58.6966, 0.2633, 0.2676



58.6966, 0.3203, 0.2828



58.6966, 0.3619, 0.3944



58.6966, 0.3018, 0.3826

Sweetspot

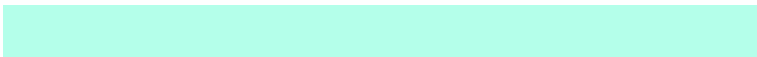
The Sweet Spot groups the original color and five complimentary colors.



58.6987, 0.2633, 0.2676



85.8169, 0.2987, 0.3124



87.1453, 0.2805, 0.3523



17.9056, 0.2963, 0.3095



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.



58.6987, 0.2633, 0.2676



52.4659, 0.2530, 0.2538



51.6165, 0.2719, 0.2454



18.2070, 0.2979, 0.3114



6.3773, 0.1597, 0.0949



0.7960, 0.1657, 0.1164

Inverse Universe

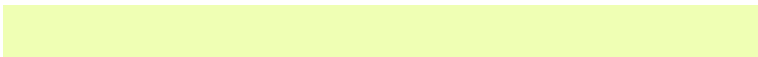
The Inverse Universe completely reimagines the original color for something new.



58.1080, 0.3601, 0.3073



52.1936, 0.3728, 0.3030



93.1202, 0.3463, 0.4056



18.0708, 0.3250, 0.3224



11.3718, 0.5836, 0.2989



1.1249, 0.5517, 0.2813

Previews

White Background



This preview shows how the Yxy color 58.6966, 0.2633, 0.2676 looks on a white background.

Color Contrast Check

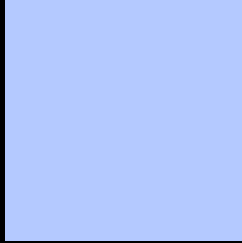
Large Text (above 18pt) WCAG AA × Fail

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 58.6966, 0.2633, 0.2676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

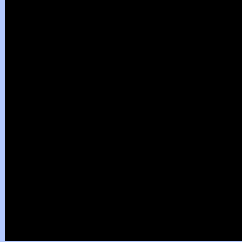
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

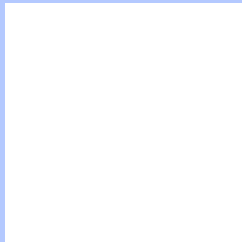
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.6966, 0.2633, 0.2676

Background



This preview shows how black text looks on a background with the Yxy color 58.6966, 0.2633, 0.2676.



This preview shows how white text looks on a background with the Yxy color 58.6966, 0.2633, 0.2676.

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

58.6966, 0.2633, 0.2676

Protanopia

58.6940, 0.2687, 0.2671

Deuteranopia

58.3590, 0.2706, 0.2643



Tritanopia

58.8376, 0.2781, 0.3095

Trichromacy



Original Color

58.6966, 0.2633, 0.2676

Protanomaly

58.7786, 0.2669, 0.2680

Deuteranomaly

58.2995, 0.2681, 0.2650

Tritanomaly

58.8909, 0.2727, 0.2934

Monochromacy



Original Color

58.6966, 0.2633, 0.2676

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

58.3312, 0.2929, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6966, 0.2633, 0.2676 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, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 201, 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(180, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 201, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.6966, 0.2633, 0.2676 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, 201, 255) }
```

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

```
.border{ border-color:rgb(180, 201, 255) }
```

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

Here you see how a box with a 4 pixel rgb(180, 201, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 201,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6966, 0.2633, 0.2676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 201, 255) }
```

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

```
.background{ background-color: rgb(180,  
201, 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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