

Converting Colors

$Yxy(59.4360, 0.2226, 0.2690)$

Have a look what the booklet for
Yxy(59.4360, 0.2226, 0.2690)
contains.

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Color

Yxy(58.8731, 0.2265, 0.2805)

Conversions

Conversions Part 1

Format	Color
Hex	61D8FF
RGB	97, 216, 255
RGB Percent	38%, 85%, 100%
CMY	0.6195, 0.1529, 0.0000
CMYK	0.62, 0.15, 0.00, 0.00
HSL	195°, 100%, 69%
HSV	195°, 62%, 100%
XYZ	47.5392, 58.8731, 103.4739
YIQ	184.8650, -83.4430, -13.0990

Conversions

Conversions Part 2

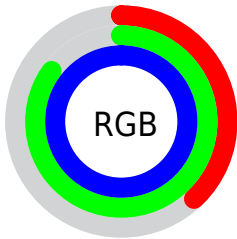
Format	Color
R _Y B	97, 165, 255
Decimal	6412543
CIE Lab	81.22, -22.17, -29.01
CIE LCh	81, 36.507, 232.616
Yxy	58.8731, 0.2265, 0.2805
Android (android.graphics.Color)	4284602623 (0xFF61D8FF)
YUV	184.8650, 34.5766, -77.0576
Hunter-Lab	76.7288, -23.6813, -26.2464

Details

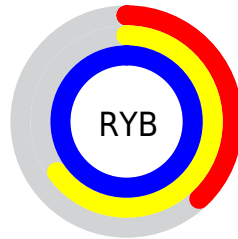
The Yxy color **58.8731, 0.2265, 0.2805** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **39.7434, 0.4826, 0.3673**, and the grayscale version is **48.2818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **29.5670, 0.2077, 0.2677** is the 20% darker color. If you saturate the color by 10%, you get **54.5265, 0.2172, 0.2713**, and if you desaturate by 10%, it is **63.7963, 0.2376, 0.2896**.

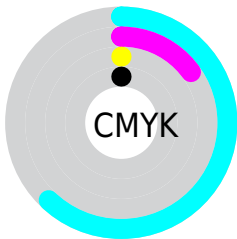
Distribution



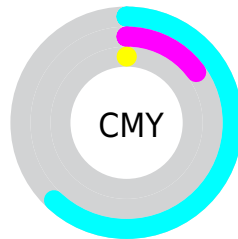
- Red (38%)
- Green (85%)
- Blue (100%)



- Red (38%)
- Yellow (65%)
- Blue (100%)



- Cyan (62%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)





- Cyan (62%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.8731, 0.2265, 0.2805 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 58.8731, 0.2265, 0.2805 by changing the saturation by 10% instead.


 58.8731, 0.2265,
0.2805


 58.8731, 0.2265,
0.2805


420.4315, 0.2662,
0.3045


 42.5110, 0.2176,
0.2747


 103.1932, 0.2402,
0.2891

 29.5016, 0.2067,
0.2674


 131.9200, 0.2455,
0.2924

 19.4606, 0.1931,
0.2580


 165.5371, 0.2502,
0.2952

 12.0036, 0.1758,
0.2453

204.4289, 0.2542,
0.2976

 6.7461, 0.1532,
0.2278

248.9799, 0.2578,
0.2996

 3.3038, 0.1231,
0.2024

299.5744, 0.2609,

 1.2923, 0.0810,

0.3015

0.1637

356.5968, 0.2637,
0.3031

0.1353, 0.0000,
0.0468

0.0000, 0.0000,
0.0000

58.8731, 0.2265,
0.2805

58.8731, 0.2265,
0.2805

54.5265, 0.2172,
0.2713

63.7963, 0.2376,
0.2896

50.7059, 0.2099,
0.2619

69.3319, 0.2503,
0.2983

47.3571, 0.2046,
0.2527

75.5176, 0.2642,
0.3065

44.9366, 0.2015,
0.2453

82.3863, 0.2789,
0.3143

■ 89.9684, 0.2942,
0.3214

■ 98.2920, 0.3097,
0.3278

■ 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



58.8731, 0.2365, 0.3200



58.8731, 0.2265, 0.2805



58.8731, 0.2370, 0.2580

Triad

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



58.8731, 0.2265, 0.2805



58.8731, 0.3583, 0.2940



58.8731, 0.3556, 0.4144

Complementary

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



58.8731, 0.2265, 0.2805



39.7434, 0.4826, 0.3673

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.



58.8731, 0.3919, 0.3988



58.8731, 0.2265, 0.2805



58.8731, 0.3948, 0.3294

Square

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



58.8731, 0.2265, 0.2805



58.8731, 0.3105, 0.2672



58.8731, 0.4071, 0.3670



58.8731, 0.3093, 0.4036

Rectangle

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



58.8731, 0.2265, 0.2805



58.8731, 0.2548, 0.2534



58.8731, 0.4071, 0.3670



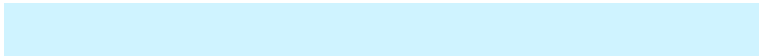
58.8731, 0.3694, 0.4117

Sweetspot

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



58.8745, 0.2265, 0.2805



84.5443, 0.2834, 0.3164



75.7818, 0.2892, 0.4872



17.6472, 0.2790, 0.3143



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.



58.8745, 0.2265, 0.2805



53.7002, 0.2155, 0.2693



28.2756, 0.2029, 0.1780



19.6770, 0.2980, 0.3230



23.7281, 0.2019, 0.2468



2.4820, 0.2048, 0.2573

Inverse Universe

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



34.7743, 0.3590, 0.2156



29.7658, 0.3712, 0.2022



69.6504, 0.4250, 0.4407



18.2192, 0.3176, 0.3113



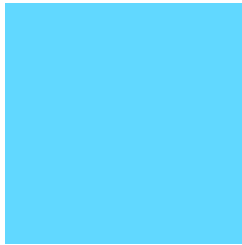
13.1233, 0.3954, 0.1952



1.2951, 0.3850, 0.1895

Previews

White Background



This preview shows how the Yxy color 58.8731, 0.2265, 0.2805 looks on a white background.

Color Contrast Check

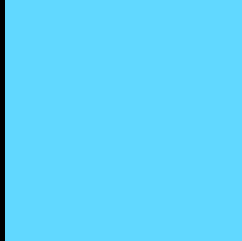
Large Text (above 18pt) WCAG AA × Fail

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 58.8731, 0.2265, 0.2805 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 58.8731, 0.2265, 0.2805

Background



This preview shows how black text looks on a background with the Yxy color 58.8731, 0.2265, 0.2805.



This preview shows how white text looks on a background with the Yxy color 58.8731, 0.2265, 0.2805.

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

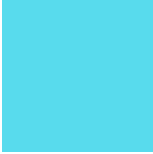
58.8731, 0.2265, 0.2805

Protanopia

57.9356, 0.2772, 0.2776

Deuteranopia

57.9713, 0.2686, 0.2639



Tritanopia

58.8522, 0.2318, 0.3055

Trichromacy



Original Color

58.8731, 0.2265, 0.2805



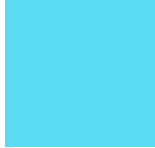
Protanomaly

57.5461, 0.2545, 0.2788



Deuteranomaly

57.4737, 0.2496, 0.2689



Tritanomaly

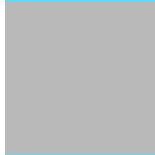
58.8986, 0.2295, 0.2957

Monochromacy



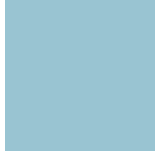
Original Color

58.8731, 0.2265, 0.2805



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

50.9053, 0.2716, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8731, 0.2265, 0.2805 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(97, 216, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 216, 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(97, 216, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 216, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.8731, 0.2265, 0.2805 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(97, 216, 255) }
```

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

```
.border{ border-color:rgb(97, 216, 255) }
```

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

Here you see how a box with a 4 pixel rgb(97, 216, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 216, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 216, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 216,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8731, 0.2265, 0.2805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 216, 255) }
```

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

```
.background{ background-color: rgb(97, 216,  
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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