

Converting Colors

$Yxy(57.8212, 0.2288, 0.2768)$

Have a look what the booklet for
Yxy(57.8212, 0.2288, 0.2768)
contains.

Yxy(57.8727, 0.2287, 0.2770)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.8727, 0.2287, 0.2770)

Conversions

Conversions Part 1

Format	Color
Hex	6AD5FF
RGB	106, 213, 255
RGB Percent	42%, 84%, 100%
CMY	0.5847, 0.1647, 0.0000
CMYK	0.58, 0.16, 0.00, 0.00
HSL	197°, 100%, 71%
HSV	197°, 58%, 100%
XYZ	47.7815, 57.8727, 103.2725
YIQ	185.7950, -77.2540, -9.6220

Conversions

Conversions Part 2

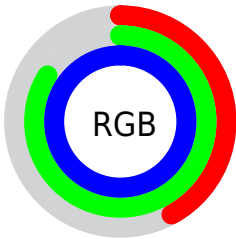
Format	Color
R _Y B	106, 168, 255
Decimal	7001599
CIE Lab	80.67, -19.11, -29.84
CIE LCh	81, 35.428, 237.366
Yxy	57.8727, 0.2287, 0.2770
Android (android.graphics.Color)	4285191679 (0xFF6AD5FF)
YUV	185.7950, 34.1181, -69.9802
Hunter-Lab	76.0741, -21.0153, -27.2358

Details

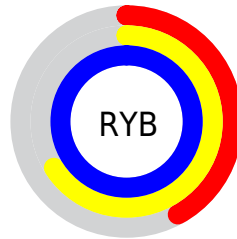
The Yxy color **57.8727, 0.2287, 0.2770** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.4467, 0.4651, 0.3714**, and the grayscale version is **48.8086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **28.7778, 0.2092, 0.2629** is the 20% darker color. If you saturate the color by 10%, you get **53.0050, 0.2182, 0.2664**, and if you desaturate by 10%, it is **63.3667, 0.2409, 0.2873**.

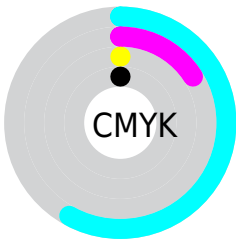
Distribution



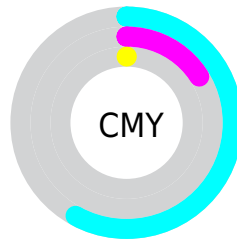
- Red (42%)
- Green (84%)
- Blue (100%)



- Red (42%)
- Yellow (66%)
- Blue (100%)



- Cyan (58%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)




- Cyan (58%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.8727, 0.2287, 0.2770 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 57.8727, 0.2287, 0.2770 by changing the saturation by 10% instead.

 57.8727, 0.2287,
0.2770


 57.8727, 0.2287,
0.2770


416.7114, 0.2676,
0.3026

 41.7063, 0.2199,
0.2709

 101.7375, 0.2421,
0.2861

 28.8714, 0.2092,
0.2632


 130.2046, 0.2474,
0.2896

 18.9836, 0.1958,
0.2532


 163.5408, 0.2519,
0.2926

 11.6584, 0.1787,
0.2400

202.1305, 0.2558,
0.2951

 6.5115, 0.1562,
0.2218

246.3580, 0.2593,
0.2974

 3.1585, 0.1262,
0.1954

296.6077, 0.2624,

 1.2151, 0.0841,

0.2993

0.1557

353.2640, 0.2651,
0.3010

0.0739, 0.0000,
0.0263

0.0000, 0.0000,
0.0000

57.8727, 0.2287,
0.2770

57.8727, 0.2287,
0.2770

53.0050, 0.2182,
0.2664

63.3667, 0.2409,
0.2873

48.7158, 0.2097,
0.2556

69.5232, 0.2544,
0.2972

44.9536, 0.2032,
0.2449

76.3787, 0.2689,
0.3065

41.6457, 0.1986,
0.2343

83.9658, 0.2841,
0.3151

■ 41.1637, 0.1980,
0.2327

■ 92.3149, 0.2996,
0.3229

100.0000, 0.3127,
0.3290

Harmonies

Analogous

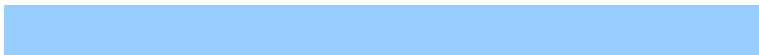
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.8727, 0.2353, 0.3134



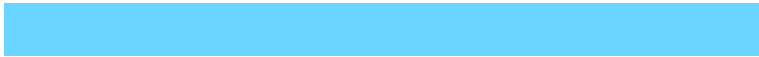
57.8727, 0.2287, 0.2770



57.8727, 0.2421, 0.2578

Triad

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



57.8727, 0.2287, 0.2770



57.8727, 0.3640, 0.2999



57.8727, 0.3478, 0.4124

Complementary

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



57.8727, 0.2287, 0.2770



43.4467, 0.4651, 0.3714

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.



57.8727, 0.3856, 0.4010



57.8727, 0.2287, 0.2770



57.8727, 0.3965, 0.3353

Square

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



57.8727, 0.2287, 0.2770



57.8727, 0.3181, 0.2719



57.8727, 0.4042, 0.3718



57.8727, 0.3023, 0.3974

Rectangle

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



57.8727, 0.2287, 0.2770



57.8727, 0.2614, 0.2551



57.8727, 0.4042, 0.3718



57.8727, 0.3619, 0.4113

Sweetspot

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



57.8738, 0.2287, 0.2770



84.3379, 0.2848, 0.3154



76.6437, 0.2877, 0.4705



17.5605, 0.2803, 0.3130



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.



57.8738, 0.2287, 0.2770



52.3107, 0.2168, 0.2647



29.2397, 0.2076, 0.1814



19.5659, 0.2980, 0.3221



21.7748, 0.1985, 0.2345



2.3055, 0.2018, 0.2465

Inverse Universe

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



36.3545, 0.3613, 0.2249



30.8928, 0.3746, 0.2110



73.5968, 0.4155, 0.4401



18.2080, 0.3181, 0.3121



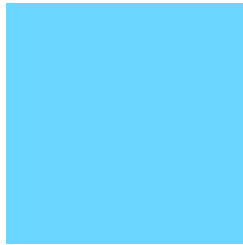
12.9261, 0.4080, 0.2021



1.2773, 0.3957, 0.1953

Previews

White Background



This preview shows how the Yxy color 57.8727, 0.2287, 0.2770 looks on a white background.

Color Contrast Check

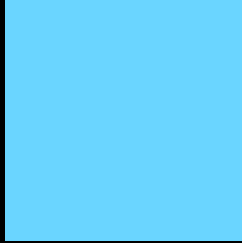
Large Text (above 18pt) WCAG AA × Fail

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 57.8727, 0.2287, 0.2770 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

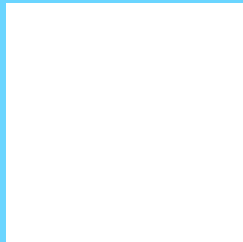
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.8727, 0.2287, 0.2770

Background



This preview shows how black text looks on a background with the Yxy color 57.8727, 0.2287, 0.2770.



This preview shows how white text looks on a background with the Yxy color 57.8727, 0.2287, 0.2770.

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

57.8727, 0.2287, 0.2770

Protanopia

57.1555, 0.2745, 0.2750

Deuteranopia

57.2647, 0.2672, 0.2625



Tritanopia

58.1076, 0.2354, 0.3068

Trichromacy



Original Color

57.8727, 0.2287, 0.2770

Protanomaly

56.7583, 0.2542, 0.2753

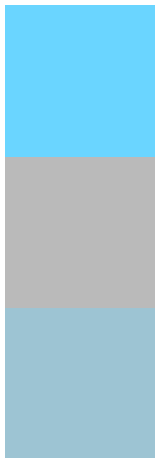
Deuteranomaly

56.7302, 0.2504, 0.2667

Tritanomaly

58.2319, 0.2328, 0.2957

Monochromacy



Original Color

57.8727, 0.2287, 0.2770

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

51.3511, 0.2737, 0.3095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8727, 0.2287, 0.2770 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(106, 213, 255)` looks like.

```
.text, #text, p{  
    color:rgb(106, 213, 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(106, 213, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 213, 255) }
```

Border

The CSS property to change the border of an element to Yxy 57.8727, 0.2287, 0.2770 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(106, 213, 255) }
```

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

```
.border{ border-color:rgb(106, 213, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 213, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 213, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 213, 255);  
box-shadow:4px 4px 4px 4px rgb(106, 213,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8727, 0.2287, 0.2770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 213, 255) }
```

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

```
.background{ background-color: rgb(106,  
213, 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