

Converting Colors

$Yxy(60.9120, 0.2182, 0.2478)$

Have a look what the booklet for
Yxy(60.9120, 0.2182, 0.2478)
contains.

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Color

Yxy(58.9467, 0.2297, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	6BD7FF
RGB	107, 215, 255
RGB Percent	42%, 84%, 100%
CMY	0.5799, 0.1569, 0.0000
CMYK	0.58, 0.16, 0.00, 0.00
HSL	196°, 100%, 71%
HSV	196°, 58%, 100%
XYZ	48.4265, 58.9467, 103.4519
YIQ	187.2680, -77.2080, -10.4560

Conversions

Conversions Part 2

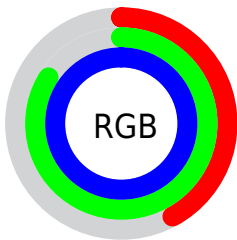
Format	Color
R _Y B	107, 169, 255
Decimal	7067647
CIE Lab	81.26, -19.89, -28.92
CIE LCh	81, 35.101, 235.491
Yxy	58.9467, 0.2297, 0.2796
Android (android.graphics.Color)	4285257727 (0xFF6BD7FF)
YUV	187.2680, 33.3919, -70.3950
Hunter-Lab	76.7768, -21.7714, -26.1458

Details

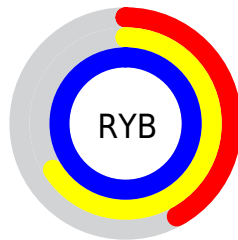
The Yxy color **58.9467, 0.2297, 0.2796** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.2321, 0.4645, 0.3695**, and the grayscale version is **49.7097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1750, 0.2647, 0.3289**, and **29.4948, 0.2105, 0.2665** is the 20% darker color. If you saturate the color by 10%, you get **54.1511, 0.2193, 0.2695**, and if you desaturate by 10%, it is **64.3578, 0.2418, 0.2895**.

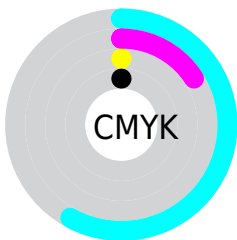
Distribution



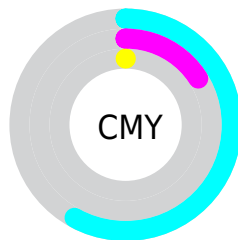
- Red (42%)
- Green (84%)
- Blue (100%)



- 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 58.9467, 0.2297, 0.2796 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 58.9467, 0.2297, 0.2796 by changing the saturation by 10% instead.


 58.9467, 0.2297,
0.2796


 58.9467, 0.2297,
0.2796


420.7044, 0.2680,
0.3039

 42.5702, 0.2211,
0.2738


 103.3002, 0.2429,
0.2883

 29.5480, 0.2105,
0.2664


 132.0460, 0.2481,
0.2916

 19.4958, 0.1973,
0.2570


 165.6837, 0.2525,
0.2944

 12.0291, 0.1805,
0.2444

204.5977, 0.2564,
0.2968

 6.7635, 0.1585,
0.2269

249.1723, 0.2599,
0.2990

 3.3146, 0.1289,
0.2016

299.7921, 0.2629,

 1.2981, 0.0879,

0.3008

0.1632

356.8413, 0.2656,
0.3025

0.1397, 0.0000,
0.0483

0.0000, 0.0000,
0.0000

58.9467, 0.2297,
0.2796

58.9467, 0.2297,
0.2796

54.1511, 0.2193,
0.2695

64.3578, 0.2418,
0.2895

49.9251, 0.2108,
0.2592

70.4214, 0.2553,
0.2989

46.2174, 0.2044,
0.2489

77.1733, 0.2697,
0.3078

42.9588, 0.1999,
0.2388

84.6458, 0.2849,
0.3160

■ 42.3395, 0.1991,
0.2367

■ 92.8688, 0.3003,
0.3235

100.0000, 0.3127,
0.3290

Harmonies

Analogous

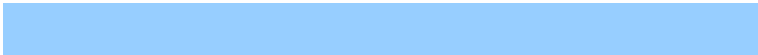
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.9467, 0.2375, 0.3163



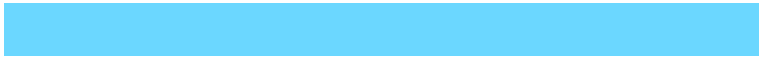
58.9467, 0.2297, 0.2796



58.9467, 0.2418, 0.2594

Triad

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



58.9467, 0.2297, 0.2796



58.9467, 0.3606, 0.2983



58.9467, 0.3500, 0.4111

Complementary

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



58.9467, 0.2297, 0.2796



43.2321, 0.4645, 0.3695

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.



58.9467, 0.3864, 0.3986



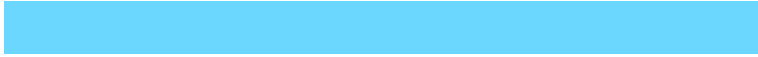
58.9467, 0.2297, 0.2796



58.9467, 0.3938, 0.3330

Square

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



58.9467, 0.2297, 0.2796



58.9467, 0.3151, 0.2714



58.9467, 0.4032, 0.3691



58.9467, 0.3053, 0.3980

Rectangle

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



58.9467, 0.2297, 0.2796



58.9467, 0.2601, 0.2561



58.9467, 0.4032, 0.3691



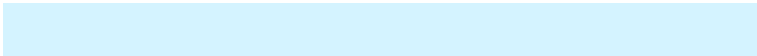
58.9467, 0.3637, 0.4095

Sweetspot

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



58.9474, 0.2297, 0.2796



85.4284, 0.2864, 0.3168



76.7457, 0.2878, 0.4692



17.9480, 0.2833, 0.3152



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.



58.9474, 0.2297, 0.2796



53.2588, 0.2175, 0.2674



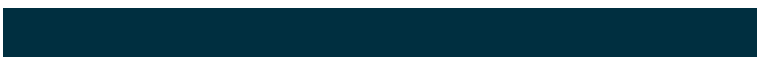
29.5872, 0.2085, 0.1828



19.6012, 0.2980, 0.3224



22.3838, 0.1996, 0.2384



2.3607, 0.2028, 0.2500

Inverse Universe

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



36.7056, 0.3589, 0.2242



30.9885, 0.3722, 0.2094



73.7702, 0.4147, 0.4394



18.2115, 0.3180, 0.3118



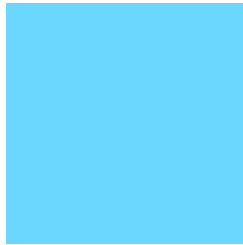
12.9876, 0.4039, 0.1999



1.2829, 0.3923, 0.1935

Previews

White Background



This preview shows how the Yxy color 58.9467, 0.2297, 0.2796 looks on a white background.

Color Contrast Check

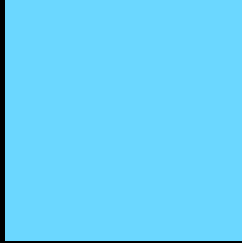
Large Text (above 18pt) WCAG AA × Fail

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 58.9467, 0.2297, 0.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

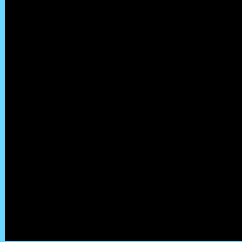
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.9467, 0.2297, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 58.9467, 0.2297, 0.2796.



This preview shows how white text looks on a background with the Yxy color 58.9467, 0.2297, 0.2796.

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

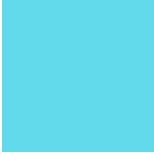
58.9467, 0.2297, 0.2796

Protanopia

58.4549, 0.2767, 0.2777

Deuteranopia

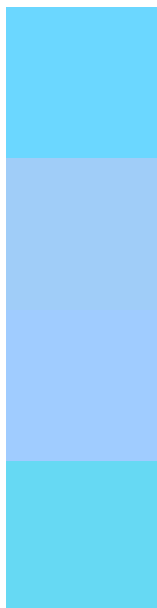
58.0997, 0.2693, 0.2640



Tritanopia

58.8516, 0.2356, 0.3057

Trichromacy



Original Color

58.9467, 0.2297, 0.2796

Protanomaly

57.9135, 0.2557, 0.2779

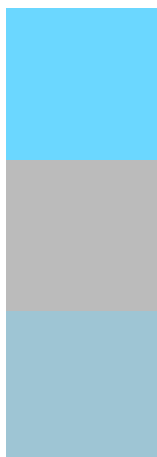
Deuteranomaly

57.8793, 0.2519, 0.2693

Tritanomaly

58.9216, 0.2334, 0.2959

Monochromacy



Original Color

58.9467, 0.2297, 0.2796

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

51.9551, 0.2738, 0.3096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9467, 0.2297, 0.2796 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(107, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 215, 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(107, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.9467, 0.2297, 0.2796 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(107, 215, 255) }
```

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

```
.border{ border-color:rgb(107, 215, 255) }
```

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

Here you see how a box with a 4 pixel rgb(107, 215, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9467, 0.2297, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 215, 255) }
```

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

```
.background{ background-color: rgb(107,  
215, 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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