

Converting Colors

$Yxy(58.7861, 0.2280, 0.2798)$

Have a look what the booklet for
Yxy(58.7861, 0.2280, 0.2798)
contains.

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Color

Yxy(58.6457, 0.2279, 0.2794)

Conversions

Conversions Part 1

Format	Color
Hex	66D7FF
RGB	102, 215, 255
RGB Percent	40%, 84%, 100%
CMY	0.5998, 0.1569, 0.0000
CMYK	0.60, 0.16, 0.00, 0.00
HSL	196°, 100%, 70%
HSV	196°, 60%, 100%
XYZ	47.8359, 58.6457, 103.4171
YIQ	185.7730, -80.1880, -11.5160

Conversions

Conversions Part 2

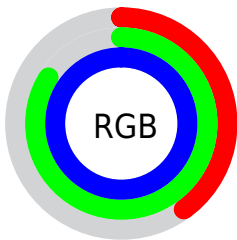
Format	Color
R _Y B	102, 167, 255
Decimal	6739967
CIE Lab	81.10, -20.80, -29.19
CIE LCh	81, 35.842, 234.524
Yxy	58.6457, 0.2279, 0.2794
Android (android.graphics.Color)	4284930047 (0xFF66D7FF)
YUV	185.7730, 34.1289, -73.4689
Hunter-Lab	76.5805, -22.5160, -26.4611

Details

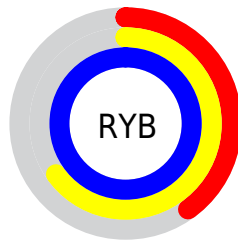
The Yxy color **58.6457, 0.2279, 0.2794** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.5854, 0.4731, 0.3690**, and the grayscale version is **48.8170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **29.3122, 0.2083, 0.2662** is the 20% darker color. If you saturate the color by 10%, you get **54.0503, 0.2180, 0.2696**, and if you desaturate by 10%, it is **63.8402, 0.2396, 0.2890**.

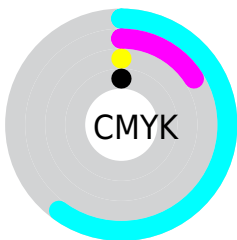
Distribution



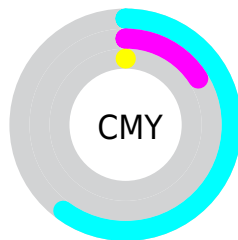
- Red (40%)
- Green (84%)
- Blue (100%)



- Red (40%)
- Yellow (65%)
- Blue (100%)



- Cyan (60%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (16%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.6457, 0.2279, 0.2794 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 58.6457, 0.2279, 0.2794 by changing the saturation by 10% instead.

■ 58.6457, 0.2279,
0.2794

■ 58.6457, 0.2279,
0.2794

■ 419.5877, 0.2671,
0.3039

■ 42.3280, 0.2191,
0.2735

■ 102.8626, 0.2414,
0.2882

■ 29.3582, 0.2083,
0.2661

■ 131.5305, 0.2467,
0.2915

■ 19.3520, 0.1949,
0.2565

■ 165.0839, 0.2512,
0.2943

■ 11.9249, 0.1778,
0.2438

■ 203.9072, 0.2552,
0.2968

■ 6.6925, 0.1554,
0.2261

■ 248.3849, 0.2587,
0.2989

■ 3.2706, 0.1254,
0.2004

■ 298.9013, 0.2618,

■ 1.2746, 0.0837,

0.3008

0.1616

355.8407, 0.2646,
0.3024

■ 0.1214, 0.0000,
0.0423

■ 0.0000, 0.0000,
0.0000

■ 58.6457, 0.2279,
0.2794

■ 58.6457, 0.2279,
0.2794

■ 54.0503, 0.2180,
0.2696

■ 63.8402, 0.2396,
0.2890

■ 50.0050, 0.2101,
0.2596

■ 69.6697, 0.2527,
0.2982

■ 46.4577, 0.2042,
0.2498

■ 76.1712, 0.2669,
0.3068

■ 43.3219, 0.2000,
0.2400

■ 83.3771, 0.2818,
0.3149

■ 43.3149, 0.2000,
0.2400

■ 91.3177, 0.2972,
0.3223

100.0000, 0.3127,
0.3290

Harmonies

Analogous

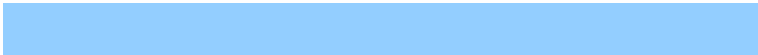
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.6457, 0.2365, 0.3174



58.6457, 0.2279, 0.2794



58.6457, 0.2395, 0.2583

Triad

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



58.6457, 0.2279, 0.2794



58.6457, 0.3603, 0.2966



58.6457, 0.3522, 0.4130

Complementary

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



58.6457, 0.2279, 0.2794



41.5854, 0.4731, 0.3690

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.



58.6457, 0.3889, 0.3993



58.6457, 0.2279, 0.2794



58.6457, 0.3950, 0.3318

Square

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



58.6457, 0.2279, 0.2794



58.6457, 0.3136, 0.2695



58.6457, 0.4053, 0.3687



58.6457, 0.3065, 0.4006

Rectangle

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



58.6457, 0.2279, 0.2794



58.6457, 0.2578, 0.2545



58.6457, 0.4053, 0.3687



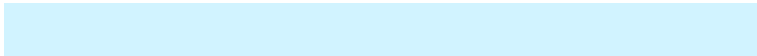
58.6457, 0.3660, 0.4110

Sweetspot

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



58.6469, 0.2279, 0.2794



84.8875, 0.2849, 0.3164



76.2504, 0.2885, 0.4781



17.6956, 0.2804, 0.3142



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.



58.6469, 0.2279, 0.2794



53.1889, 0.2162, 0.2676



28.8906, 0.2056, 0.1802



19.6300, 0.2980, 0.3226



22.8889, 0.2005, 0.2416



2.4064, 0.2036, 0.2528

Inverse Universe

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



35.6805, 0.3595, 0.2202



30.3214, 0.3724, 0.2062



71.7250, 0.4197, 0.4402



18.2145, 0.3178, 0.3116



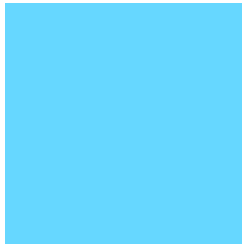
13.0386, 0.4007, 0.1981



1.2875, 0.3895, 0.1919

Previews

White Background



This preview shows how the Yxy color 58.6457, 0.2279, 0.2794 looks on a white background.

Color Contrast Check

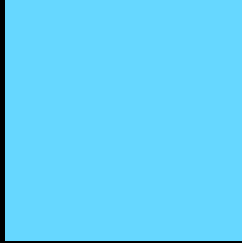
Large Text (above 18pt) WCAG AA × Fail

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 58.6457, 0.2279, 0.2794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

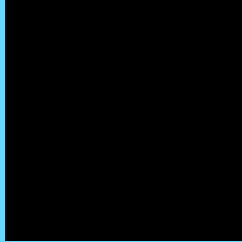
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.6457, 0.2279, 0.2794

Background



This preview shows how black text looks on a background with the Yxy color 58.6457, 0.2279, 0.2794.



This preview shows how white text looks on a background with the Yxy color 58.6457, 0.2279, 0.2794.

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

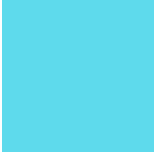
58.6457, 0.2279, 0.2794

Protanopia

57.8064, 0.2765, 0.2775

Deuteranopia

57.9713, 0.2686, 0.2639



Tritanopia

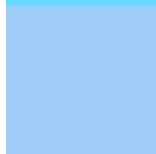
58.5786, 0.2338, 0.3056

Trichromacy



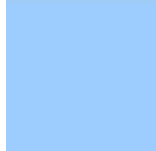
Original Color

58.6457, 0.2279, 0.2794



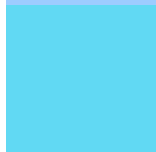
Protanomaly

57.1702, 0.2549, 0.2776



Deuteranomaly

57.5738, 0.2502, 0.2690



Tritanomaly

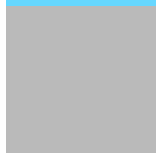
58.6382, 0.2316, 0.2958

Monochromacy



Original Color

58.6457, 0.2279, 0.2794



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

51.6042, 0.2725, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6457, 0.2279, 0.2794 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(102, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.6457, 0.2279, 0.2794 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(102, 215, 255) }
```

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

```
.border{ border-color:rgb(102, 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(102, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.6457, 0.2279, 0.2794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 215, 255) }
```

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

```
.background{ background-color: rgb(102,  
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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