

Converting Colors

$Y_{xy}(58.8069, 0.2282, 0.2797)$

Have a look what the booklet for
Yxy(58.8069, 0.2282, 0.2797)
contains.

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Color

Yxy(58.7044, 0.2282, 0.2795)

Conversions

Conversions Part 1

Format	Color
Hex	67D7FF
RGB	103, 215, 255
RGB Percent	40%, 84%, 100%
CMY	0.5966, 0.1568, 0.0001
CMYK	0.60, 0.16, 0.00, 0.00
HSL	196°, 100%, 70%
HSV	196°, 60%, 100%
XYZ	47.9297, 58.7044, 103.3996
YIQ	186.0720, -79.5920, -11.3040

Conversions

Conversions Part 2

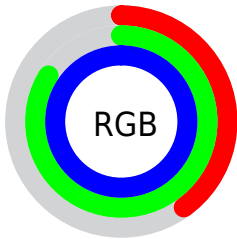
Format	Color
RYB	103, 167, 255
Decimal	6805503
CIELab	81.13, -20.68, -29.12
CIELCh	81, 35.718, 234.618
Yxy	58.7044, 0.2282, 0.2795
Android (android.graphics.Color)	4284995583 (0xFF67D7FF)
YUV	186.0720, 33.9815, -72.8541
Hunter-Lab	76.6188, -22.4204, -26.3806

Details

The Yxy color **58.7044, 0.2282, 0.2795** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **41.8271, 0.4717, 0.3690**, and the grayscale version is **48.9669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **29.3474, 0.2088, 0.2662** is the 20% darker color. If you saturate the color by 10%, you get **54.0815, 0.2182, 0.2696**, and if you desaturate by 10%, it is **63.9306, 0.2399, 0.2891**.

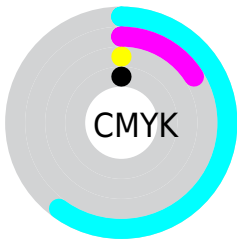
Distribution



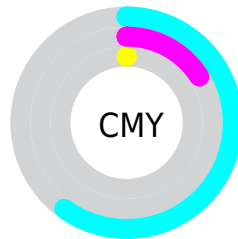
- Red (40%)
- Green (84%)
- Blue (100%)



- 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 58.7044, 0.2282, 0.2795 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 58.7044, 0.2282, 0.2795 by changing the saturation by 10% instead.


 58.7044, 0.2282,
0.2795


 58.7044, 0.2282,
0.2795

419.8056, 0.2672,
0.3039

 42.3752, 0.2194,
0.2736

 102.9479, 0.2416,
0.2882

 29.3952, 0.2087,
0.2662


 131.6310, 0.2469,
0.2916

 19.3800, 0.1953,
0.2567


 165.2009, 0.2514,
0.2944

 11.9452, 0.1782,
0.2440

204.0420, 0.2554,
0.2968

 6.7064, 0.1559,
0.2264

248.5385, 0.2589,
0.2989

 3.2791, 0.1260,
0.2008

299.0751, 0.2620,

 1.2791, 0.0844,

0.3008

0.1620

356.0360, 0.2647,
0.3025

0.1250, 0.0000,
0.0435

0.0000, 0.0000,
0.0000

58.7044, 0.2282,
0.2795

58.7044, 0.2282,
0.2795

54.0815, 0.2182,
0.2696

63.9306, 0.2399,
0.2891

50.0106, 0.2102,
0.2596

69.7932, 0.2531,
0.2983

46.4404, 0.2042,
0.2497

76.3299, 0.2673,
0.3070

43.2881, 0.2000,
0.2399

83.5733, 0.2823,
0.3151

■ 43.1848, 0.1999,
0.2396

■ 91.5534, 0.2977,
0.3225

99.9991, 0.3127,
0.3290

Harmonies

Analogous

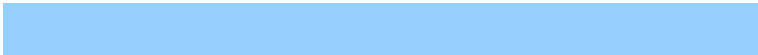
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.7044, 0.2367, 0.3173



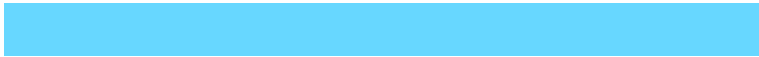
58.7044, 0.2282, 0.2795



58.7044, 0.2399, 0.2585

Triad

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



58.7044, 0.2282, 0.2795



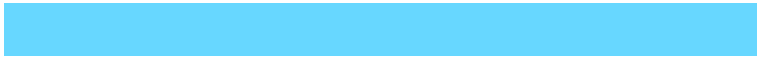
58.7044, 0.3603, 0.2968



58.7044, 0.3519, 0.4127

Complementary

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



58.7044, 0.2282, 0.2795



41.8271, 0.4717, 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.



58.7044, 0.3885, 0.3991



58.7044, 0.2282, 0.2795



58.7044, 0.3947, 0.3319

Square

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



58.7044, 0.2282, 0.2795



58.7044, 0.3137, 0.2698



58.7044, 0.4050, 0.3687



58.7044, 0.3064, 0.4002

Rectangle

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



58.7044, 0.2282, 0.2795



58.7044, 0.2581, 0.2548



58.7044, 0.4050, 0.3687



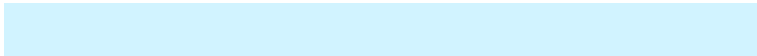
58.7044, 0.3657, 0.4107

Sweetspot

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



58.7066, 0.2282, 0.2795



84.8561, 0.2849, 0.3164



76.3064, 0.2885, 0.4772



17.6879, 0.2804, 0.3141



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.



58.7066, 0.2282, 0.2795



53.0873, 0.2162, 0.2673



29.1132, 0.2062, 0.1811



19.6263, 0.2980, 0.3226



22.8243, 0.2003, 0.2412



2.4005, 0.2035, 0.2524

Inverse Universe

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



35.8381, 0.3594, 0.2208



30.3111, 0.3727, 0.2063



71.8365, 0.4192, 0.4397



18.2141, 0.3178, 0.3116



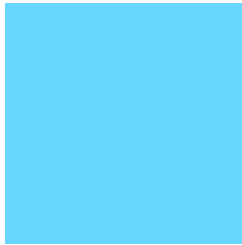
13.0321, 0.4011, 0.1983



1.2869, 0.3898, 0.1921

Previews

White Background



This preview shows how the Yxy color 58.7044, 0.2282, 0.2795 looks on a white background.

Color Contrast Check

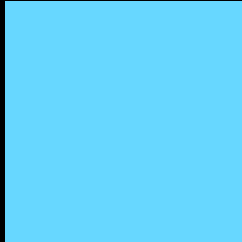
Large Text (above 18pt) WCAG AA × Fail

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 58.7044, 0.2282, 0.2795 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 58.7044, 0.2282, 0.2795

Background



This preview shows how black text looks on a background with the Yxy color 58.7044, 0.2282, 0.2795.



This preview shows how white text looks on a background with the Yxy color 58.7044, 0.2282, 0.2795.

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

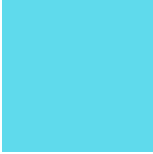
58.7044, 0.2282, 0.2795

Protanopia

57.8064, 0.2765, 0.2775

Deuteranopia

57.9713, 0.2686, 0.2639



Tritanopia

58.6318, 0.2342, 0.3056

Trichromacy



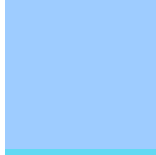
Original Color

58.7044, 0.2282, 0.2795



Protanomaly

57.1702, 0.2549, 0.2776



Deuteranomaly

57.6748, 0.2508, 0.2691



Tritanomaly

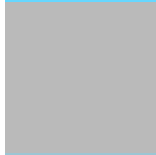
58.6934, 0.2320, 0.2958

Monochromacy



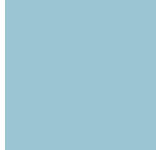
Original Color

58.7044, 0.2282, 0.2795



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

51.7036, 0.2731, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7044, 0.2282, 0.2795 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(103, 215, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 215, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 215, 255) }
```

Border

The CSS property to change the border of an element to Yxy 58.7044, 0.2282, 0.2795 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(103, 215, 255) }
```

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

```
.border{ border-color:rgb(103, 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(103, 215, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 215, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 215, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 215,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7044, 0.2282, 0.2795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 215, 255) }
```

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

```
.background{ background-color: rgb(103,  
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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