

Converting Colors

$Y_{xy}(57.3008, 0.2209, 0.2470)$

Have a look what the booklet for
Yxy(57.3008, 0.2209, 0.2470)
contains.

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Color

Yxy(55.8425, 0.2300, 0.2709)

Conversions

Conversions Part 1

Format	Color
Hex	71D0FF
RGB	113, 208, 255
RGB Percent	44%, 82%, 100%
CMY	0.5570, 0.1843, 0.0000
CMYK	0.56, 0.18, 0.00, 0.00
HSL	200°, 100%, 72%
HSV	200°, 56%, 100%
XYZ	47.4115, 55.8425, 102.8830
YIQ	184.9530, -71.7070, -5.5230

Conversions

Conversions Part 2

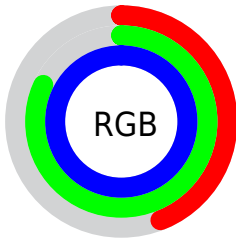
Format	Color
RYB	113, 170, 255
Decimal	7459071
CIELab	79.52, -15.20, -31.56
CIELCh	80, 35.031, 244.278
Yxy	55.8425, 0.2300, 0.2709
Android (android.graphics.Color)	4285649151 (0xFF71D0FF)
YUV	184.9530, 34.5332, -63.1028
Hunter-Lab	74.7278, -17.5234, -29.3191

Details

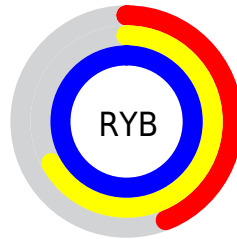
The Yxy color **55.8425, 0.2300, 0.2709** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.5765, 0.4501, 0.3771**, and the grayscale version is **48.3194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **27.7239, 0.2108, 0.2565** is the 20% darker color. If you saturate the color by 10%, you get **50.3797, 0.2183, 0.2583**, and if you desaturate by 10%, it is **62.0031, 0.2432, 0.2831**.

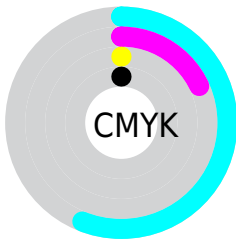
Distribution



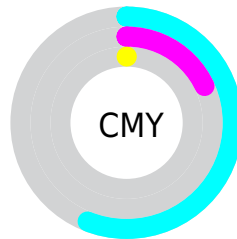
- Red (44%)
- Green (82%)
- Blue (100%)



- Red (44%)
- Yellow (67%)
- Blue (100%)



- Cyan (56%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8425, 0.2300, 0.2709 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 55.8425, 0.2300, 0.2709 by changing the saturation by 10% instead.


 55.8425, 0.2300,
0.2709


 55.8425, 0.2300,
0.2709


409.0977, 0.2685,
0.2993


 40.0767, 0.2213,
0.2641

 98.7743, 0.2434,
0.2810

 27.5983, 0.2105,
0.2557


 126.7090, 0.2486,
0.2849

 18.0231, 0.1971,
0.2448


 159.4688, 0.2530,
0.2881

 10.9666, 0.1798,
0.2304

197.4380, 0.2569,
0.2910

 6.0444, 0.1572,
0.2106

241.0011, 0.2604,
0.2935

 2.8721, 0.1267,
0.1824

290.5425, 0.2634,

 1.0653, 0.0834,

0.2956

0.1407

346.4466, 0.2661,
0.2976

0.0000, 0.0000,
0.0000

55.8425, 0.2300,
0.2709

55.8425, 0.2300,
0.2709

50.3797, 0.2183,
0.2583

62.0031, 0.2432,
0.2831

45.5644, 0.2085,
0.2455

68.8949, 0.2576,
0.2946

41.3472, 0.2007,
0.2327

76.5558, 0.2727,
0.3054

37.6655, 0.1950,
0.2201

85.0189, 0.2883,
0.3153

36.2084, 0.1930,
0.2147

94.3152, 0.3039,
0.3243

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



55.8425, 0.2320, 0.3037



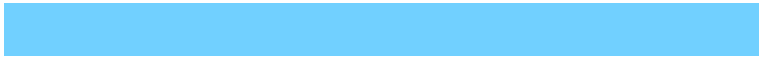
55.8425, 0.2300, 0.2709



55.8425, 0.2479, 0.2559

Triad

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



55.8425, 0.2300, 0.2709



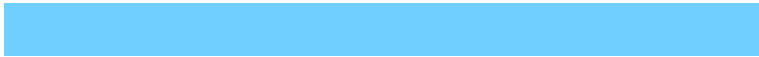
55.8425, 0.3732, 0.3076



55.8425, 0.3376, 0.4115

Complementary

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



55.8425, 0.2300, 0.2709



47.5765, 0.4501, 0.3771

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.



55.8425, 0.3783, 0.4057



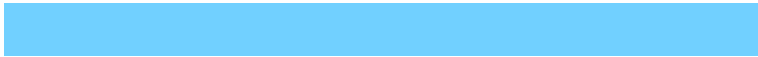
55.8425, 0.2300, 0.2709



55.8425, 0.4008, 0.3439

Square

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



55.8425, 0.2300, 0.2709



55.8425, 0.3290, 0.2774



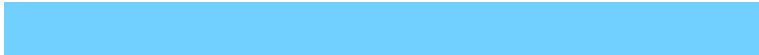
55.8425, 0.4022, 0.3795



55.8425, 0.2920, 0.3902

Rectangle

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



55.8425, 0.2300, 0.2709



55.8425, 0.2697, 0.2560



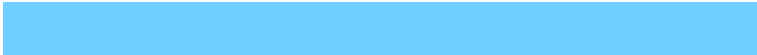
55.8425, 0.4022, 0.3795



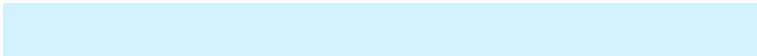
55.8425, 0.3523, 0.4125

Sweetspot

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



55.8446, 0.2300, 0.2709



83.8738, 0.2862, 0.3140



77.4925, 0.2851, 0.4533



17.5790, 0.2831, 0.3121



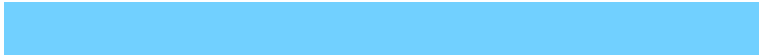
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.8446, 0.2300, 0.2709



49.7190, 0.2169, 0.2566



29.1954, 0.2108, 0.1805



19.4093, 0.2980, 0.3209



19.2056, 0.1936, 0.2168



2.0704, 0.1975, 0.2311

Inverse Universe

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



37.6168, 0.3658, 0.2351



31.7233, 0.3814, 0.2213



78.4657, 0.4066, 0.4417



18.1922, 0.3189, 0.3132



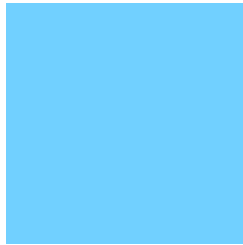
12.6668, 0.4267, 0.2124



1.2536, 0.4115, 0.2041

Previews

White Background



This preview shows how the Yxy color 55.8425, 0.2300, 0.2709 looks on a white background.

Color Contrast Check

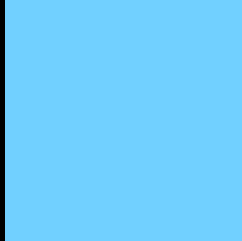
Large Text (above 18pt) WCAG AA × Fail

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 55.8425, 0.2300, 0.2709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

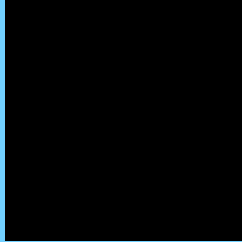
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

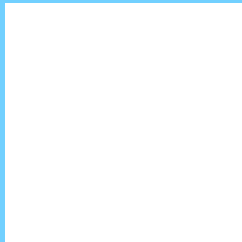
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.8425, 0.2300, 0.2709

Background



This preview shows how black text looks on a background with the Yxy color 55.8425, 0.2300, 0.2709.

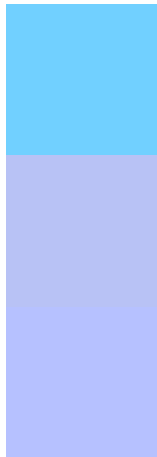


This preview shows how white text looks on a background with the Yxy color 55.8425, 0.2300, 0.2709.

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

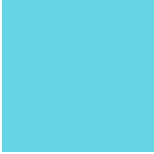
55.8425, 0.2300, 0.2709

Protanopia

55.3665, 0.2709, 0.2700

Deuteranopia

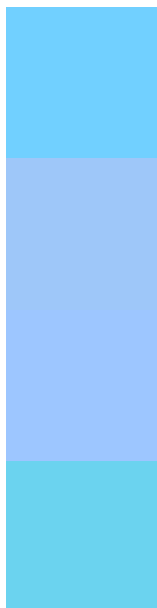
55.3050, 0.2636, 0.2584



Tritanopia

55.6837, 0.2380, 0.3052

Trichromacy



Original Color

55.8425, 0.2300, 0.2709

Protanomaly

54.9555, 0.2529, 0.2693

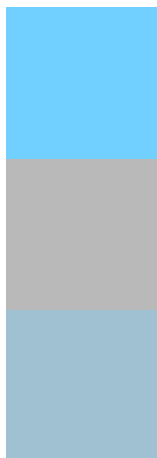
Deuteranomaly

54.7763, 0.2491, 0.2616

Tritanomaly

55.9463, 0.2353, 0.2930

Monochromacy



Original Color

55.8425, 0.2300, 0.2709

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

50.1640, 0.2753, 0.3069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8425, 0.2300, 0.2709 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(113, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 208, 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(113, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 208, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.8425, 0.2300, 0.2709 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(113, 208, 255) }
```

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

```
.border{ border-color:rgb(113, 208, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 208, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 208, 255); box-shadow:4px 4px 4px 4px rgb(113, 208, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8425, 0.2300, 0.2709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 208, 255) }
```

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

```
.background{ background-color: rgb(113,  
208, 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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