

Converting Colors

$Y_{xy}(51.8136, 0.2283, 0.2596)$

Have a look what the booklet for
Yxy(51.8136, 0.2283, 0.2596)
contains.

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Color

Yxy(51.7117, 0.2284, 0.2593)

Conversions

Conversions Part 1

Format	Color
Hex	73C7FF
RGB	115, 199, 255
RGB Percent	45%, 78%, 100%
CMY	0.5486, 0.2196, 0.0001
CMYK	0.55, 0.22, 0.00, 0.00
HSL	204°, 100%, 73%
HSV	204°, 55%, 100%
XYZ	45.5494, 51.7117, 102.1670
YIQ	180.2680, -68.0400, -0.3920

Conversions

Conversions Part 2

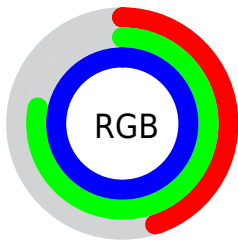
Format	Color
R _{YB}	115, 168, 255
Decimal	7587839
CIE Lab	77.11, -10.05, -35.27
CIE LCh	77, 36.673, 254.094
Yxy	51.7117, 0.2284, 0.2593
Android (android.graphics.Color)	4285777919 (0xFF73C7FF)
YUV	180.2680, 36.8429, -57.2400
Hunter-Lab	71.9108, -12.7795, -33.8984

Details

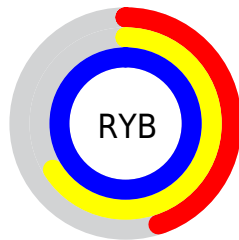
The Yxy color **51.7117, 0.2284, 0.2593** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **51.6521, 0.4407, 0.3864**, and the grayscale version is **45.6314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **24.9564, 0.2079, 0.2409** is the 20% darker color. If you saturate the color by 10%, you get **45.6762, 0.2155, 0.2438**, and if you desaturate by 10%, it is **58.5439, 0.2427, 0.2742**.

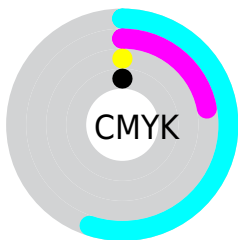
Distribution



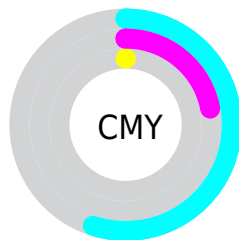
- Red (45%)
- Green (78%)
- Blue (100%)



- Red (45%)
- Yellow (66%)
- Blue (100%)



- Cyan (55%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7117, 0.2284, 0.2593 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 51.7117, 0.2284, 0.2593 by changing the saturation by 10% instead.


 51.7117, 0.2284,
0.2593


 51.7117, 0.2284,
0.2593


393.3226, 0.2682,
0.2932


 36.7753, 0.2193,
0.2513


 92.7059, 0.2423,
0.2713

 25.0336, 0.2081,
0.2413


 119.5326, 0.2476,
0.2759

 16.1021, 0.1940,
0.2285


 151.0914, 0.2523,
0.2799

 9.5964, 0.1758,
0.2117

187.7669, 0.2563,
0.2833

 5.1322, 0.1519,
0.1889

229.9433, 0.2598,
0.2862

 2.3250, 0.1198,
0.1569

278.0051, 0.2629,

 0.7869, 0.0712,

0.2888

0.1115

332.3368, 0.2657,
0.2911

0.0000, 0.0000,
0.0000

51.7117, 0.2284,
0.2593

51.7117, 0.2284,
0.2593

45.6762, 0.2155,
0.2438

58.5439, 0.2427,
0.2742

40.3853, 0.2045,
0.2281

66.2090, 0.2579,
0.2883

35.7873, 0.1955,
0.2124

74.7471, 0.2736,
0.3013

31.8178, 0.1888,
0.1971

84.1936, 0.2895,
0.3133

29.9771, 0.1860,
0.1895

94.5816, 0.3052,
0.3241

99.9984, 0.3127,
0.3290

Harmonies

Analogous

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



51.7117, 0.2234, 0.2882



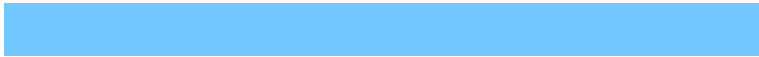
51.7117, 0.2284, 0.2593



51.7117, 0.2538, 0.2500

Triad

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



51.7117, 0.2284, 0.2593



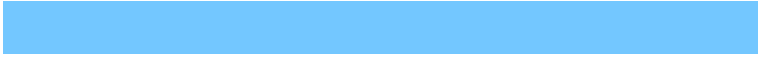
51.7117, 0.3901, 0.3181



51.7117, 0.3230, 0.4138

Complementary

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



51.7117, 0.2284, 0.2593



51.6521, 0.4407, 0.3864

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.



51.7117, 0.3699, 0.4163



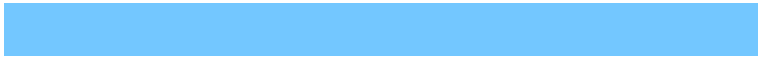
51.7117, 0.2284, 0.2593



51.7117, 0.4111, 0.3574

Square

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



51.7117, 0.2284, 0.2593



51.7117, 0.3466, 0.2833



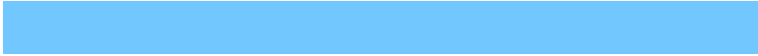
51.7117, 0.4029, 0.3935



51.7117, 0.2755, 0.3820

Rectangle

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



51.7117, 0.2284, 0.2593



51.7117, 0.2806, 0.2541



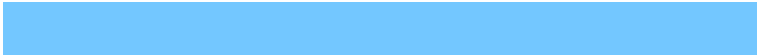
51.7117, 0.4029, 0.3935



51.7117, 0.3393, 0.4180

Sweetspot

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



51.7136, 0.2284, 0.2593



83.0866, 0.2877, 0.3120



78.0983, 0.2800, 0.4356



17.3561, 0.2844, 0.3096



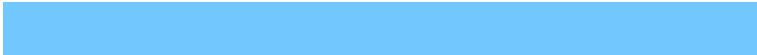
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



51.7136, 0.2284, 0.2593



45.0453, 0.2142, 0.2420



26.5933, 0.2094, 0.1688



19.1901, 0.2979, 0.3193



15.9672, 0.1867, 0.1919



1.7687, 0.1914, 0.2091

Inverse Universe

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



37.6626, 0.3755, 0.2452



31.6433, 0.3947, 0.2327



85.3991, 0.3990, 0.4497



18.1700, 0.3200, 0.3148



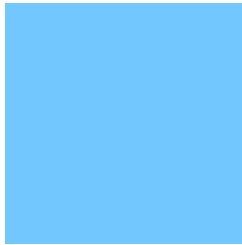
12.3399, 0.4545, 0.2278



1.2231, 0.4351, 0.2170

Previews

White Background



This preview shows how the Yxy color 51.7117, 0.2284, 0.2593 looks on a white background.

Color Contrast Check

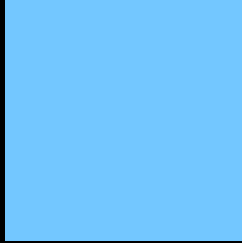
Large Text (above 18pt) WCAG AA × Fail

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 51.7117, 0.2284, 0.2593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

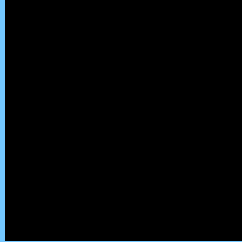
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

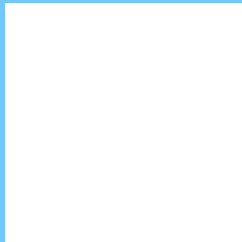
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.7117, 0.2284, 0.2593

Background



This preview shows how black text looks on a background with the Yxy color 51.7117, 0.2284, 0.2593.



This preview shows how white text looks on a background with the Yxy color 51.7117, 0.2284, 0.2593.

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

51.7117, 0.2284, 0.2593

Protanopia

51.1931, 0.2627, 0.2593

Deuteranopia

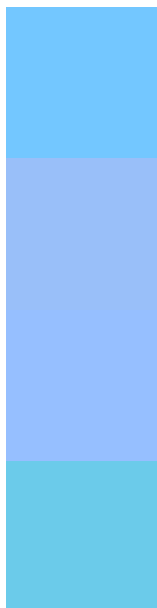
51.3067, 0.2550, 0.2497



Tritanopia

51.8201, 0.2397, 0.3059

Trichromacy



Original Color

51.7117, 0.2284, 0.2593

Protanomaly

50.8735, 0.2485, 0.2588

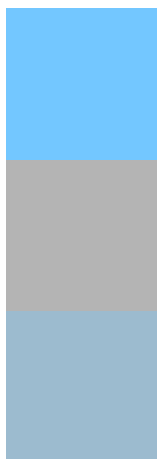
Deuteranomaly

50.9656, 0.2438, 0.2522

Tritanomaly

51.7782, 0.2353, 0.2882

Monochromacy



Original Color

51.7117, 0.2284, 0.2593

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

47.1136, 0.2745, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7117, 0.2284, 0.2593 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(115, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(115, 199, 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(115, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 199, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.7117, 0.2284, 0.2593 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(115, 199, 255) }
```

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

```
.border{ border-color:rgb(115, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(115, 199,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7117, 0.2284, 0.2593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 199, 255) }
```

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

```
.background{ background-color: rgb(115,  
199, 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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