

Converting Colors

$Yxy(51.0131, 0.2226, 0.2705)$

Have a look what the booklet for
Yxy(51.0131, 0.2226, 0.2705)
contains.

Yxy(51.0803, 0.2227, 0.2706)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.0803, 0.2227, 0.2706)

Conversions

Conversions Part 1

Format	Color
Hex	59CAF7
RGB	89, 202, 247
RGB Percent	35%, 79%, 97%
CMY	0.6505, 0.2079, 0.0313
CMYK	0.64, 0.18, 0.00, 0.03
HSL	197°, 91%, 66%
HSV	197°, 64%, 97%
XYZ	42.0384, 51.0803, 95.6481
YIQ	173.3430, -81.7930, -9.9610

Conversions

Conversions Part 2

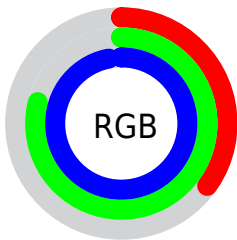
Format	Color
R _{YB}	89, 155, 247
Decimal	5884663
CIE _{Lab}	76.73, -18.73, -31.67
CIE _{LCh}	77, 36.795, 239.393
Yxy	51.0803, 0.2227, 0.2706
Android (android.graphics.Color)	4284074743 (0xFF59CAF7)
YUV	173.3430, 36.3129, -73.9688
Hunter-Lab	71.4705, -20.0811, -29.3178

Details

The Yxy color **51.0803, 0.2227, 0.2706** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **37.5904, 0.4849, 0.3741**, and the grayscale version is **41.8326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5123, 0.2574, 0.3288**, and **24.8975, 0.2045, 0.2560** is the 20% darker color. If you saturate the color by 10%, you get **46.8262, 0.2132, 0.2597**, and if you desaturate by 10%, it is **55.8989, 0.2340, 0.2812**.

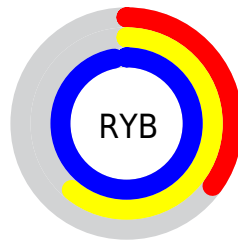
Distribution



Red (35%)

Green (79%)

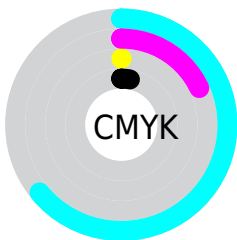
Blue (97%)



Red (35%)

Yellow (61%)

Blue (97%)

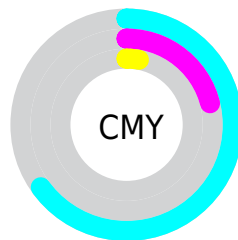


Cyan (64%)

Magenta (18%)

Yellow (0%)

Black (3%)



Cyan (65%)


Magenta (21%)


Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0803, 0.2227, 0.2706 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 51.0803, 0.2227, 0.2706 by changing the saturation by 10% instead.

 51.0803, 0.2227,
0.2706


 51.0803, 0.2227,
0.2706


390.8757, 0.2651,
0.2998


 36.2725, 0.2130,
0.2635


 91.7735, 0.2375,
0.2811


 24.6447, 0.2010,
0.2545


 118.4276, 0.2432,
0.2851

 15.8126, 0.1860,
0.2428


 149.7994, 0.2481,
0.2885

 9.3916, 0.1668,
0.2271

 186.2731, 0.2524,
0.2914

 4.9975, 0.1414,
0.2052

228.2332, 0.2562,
0.2939

 2.2458, 0.1076,
0.1735

276.0641, 0.2595,

 0.7448, 0.0429,

0.2961

0.1276

330.1501, 0.2625,
0.2981

0.0000, 0.0000,
0.0000

51.0803, 0.2227,
0.2706

51.0803, 0.2227,
0.2706

46.8262, 0.2132,
0.2597

55.8989, 0.2340,
0.2812

43.0862, 0.2057,
0.2488

61.3154, 0.2469,
0.2915

39.8080, 0.2002,
0.2381

67.3664, 0.2609,
0.3012

37.9928, 0.1977,
0.2316

74.0834, 0.2758,
0.3103

81.4957, 0.2911,
0.3186

■ 89.6304, 0.3067,
0.3262

■ 97.1550, 0.3176,
0.3331

■ 99.4961, 0.3173,
0.3366

Harmonies

Analogous

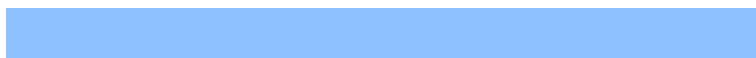
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.0803, 0.2282, 0.3086



51.0803, 0.2227, 0.2706



51.0803, 0.2384, 0.2516

Triad

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



51.0803, 0.2227, 0.2706



51.0803, 0.3712, 0.2999



51.0803, 0.3471, 0.4195

Complementary

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



51.0803, 0.2227, 0.2706



37.5904, 0.4849, 0.3741

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.



51.0803, 0.3891, 0.4082



51.0803, 0.2227, 0.2706



51.0803, 0.4050, 0.3381

Square

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



51.0803, 0.2227, 0.2706



51.0803, 0.3218, 0.2693



51.0803, 0.4112, 0.3771



51.0803, 0.2978, 0.4014

Rectangle

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



51.0803, 0.2227, 0.2706



51.0803, 0.2599, 0.2498



51.0803, 0.4112, 0.3771



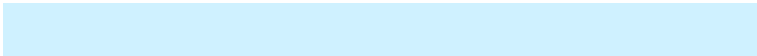
51.0803, 0.3626, 0.4187

Sweetspot

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



51.0821, 0.2227, 0.2706



83.4404, 0.2833, 0.3144



70.3761, 0.2856, 0.4822



17.3783, 0.2789, 0.3120



0.0000, 0.0000, 0.0000



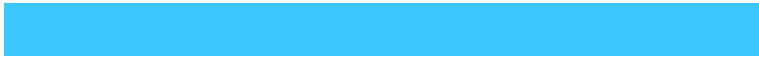
21.4041, 0.3127, 0.3290

Same Dimension

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



51.0821, 0.2227, 0.2706



48.9905, 0.2106, 0.2562



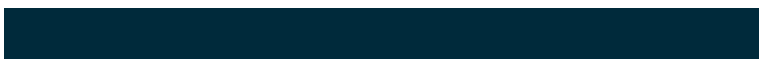
23.0948, 0.1973, 0.1625



17.9125, 0.2980, 0.3221



20.3453, 0.1982, 0.2334



1.9628, 0.2019, 0.2468

Inverse Universe

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



31.2055, 0.3680, 0.2183



28.4760, 0.3839, 0.2059



67.9890, 0.4229, 0.4499



16.6830, 0.3182, 0.3122



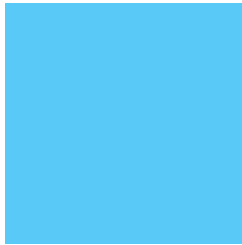
12.1532, 0.4091, 0.2027



1.0858, 0.3954, 0.1952

Previews

White Background



This preview shows how the Yxy color 51.0803, 0.2227, 0.2706 looks on a white background.

Color Contrast Check

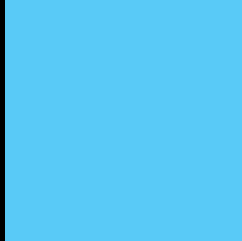
Large Text (above 18pt) WCAG AA × Fail

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 51.0803, 0.2227, 0.2706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

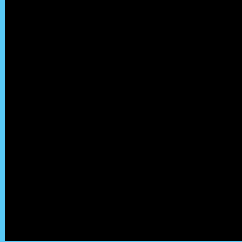
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

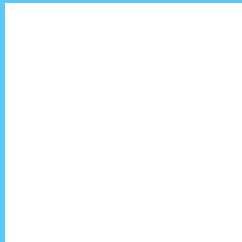
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.0803, 0.2227, 0.2706

Background



This preview shows how black text looks on a background with the Yxy color 51.0803, 0.2227, 0.2706.

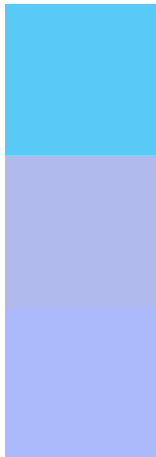


This preview shows how white text looks on a background with the Yxy color 51.0803, 0.2227, 0.2706.

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

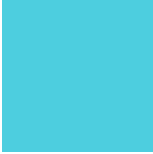
51.0803, 0.2227, 0.2706

Protanopia

50.4040, 0.2700, 0.2689

Deuteranopia

50.4336, 0.2583, 0.2516



Tritanopia

51.0481, 0.2301, 0.3054

Trichromacy



Original Color

51.0803, 0.2227, 0.2706



Protanomaly

49.9198, 0.2482, 0.2689



Deuteranomaly

49.9145, 0.2418, 0.2566



Tritanomaly

51.2382, 0.2272, 0.2925

Monochromacy



Original Color

51.0803, 0.2227, 0.2706



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

44.2019, 0.2688, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0803, 0.2227, 0.2706 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(89, 202, 247)` looks like.

```
.text, #text, p{  
    color:rgb(89, 202, 247)  
}
```

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(89, 202, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 202, 247) }
```

Border

The CSS property to change the border of an element to Yxy 51.0803, 0.2227, 0.2706 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(89, 202, 247) }
```

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

```
.border{ border-color:rgb(89, 202, 247) }
```

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

Here you see how a box with a 4 pixel rgb(89, 202, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 202, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 202, 247);  
box-shadow:4px 4px 4px 4px rgb(89, 202,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0803, 0.2227, 0.2706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 202, 247) }
```

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

```
.background{ background-color: rgb(89, 202,  
247) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor