

Converting Colors

$Y_{xy}(52.3660, 0.2226, 0.2624)$

Have a look what the booklet for
Yxy(52.3660, 0.2226, 0.2624)
contains.

Yxy(52.5285, 0.2229, 0.2635)	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(52.5285, 0.2229, 0.2635)

Conversions

Conversions Part 1

Format	Color
Hex	62CBFF
RGB	98, 203, 255
RGB Percent	38%, 80%, 100%
CMY	0.6159, 0.2039, 0.0001
CMYK	0.62, 0.20, 0.00, 0.00
HSL	200°, 100%, 69%
HSV	200°, 62%, 100%
XYZ	44.4349, 52.5285, 102.3857
YIQ	177.5330, -79.2720, -6.0880

Conversions

Conversions Part 2

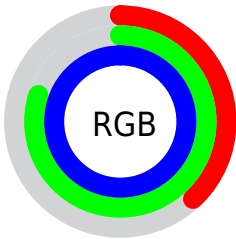
Format	Color
R _Y B	98, 161, 255
Decimal	6474751
CIE Lab	77.60, -15.37, -34.57
CIE LCh	78, 37.831, 246.028
Yxy	52.5285, 0.2229, 0.2635
Android (android.graphics.Color)	4284664831 (0xFF62CBFF)
YUV	177.5330, 38.1912, -69.7504
Hunter-Lab	72.4765, -17.3967, -33.0238

Details

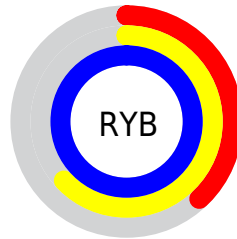
The Yxy color **52.5285, 0.2229, 0.2635** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.9208, 0.4708, 0.3806**, and the grayscale version is **44.0812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **25.5721, 0.2018, 0.2464** is the 20% darker color. If you saturate the color by 10%, you get **47.4539, 0.2123, 0.2507**, and if you desaturate by 10%, it is **58.2753, 0.2353, 0.2760**.

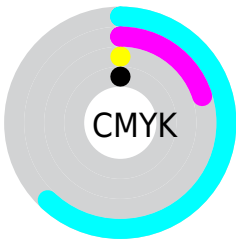
Distribution



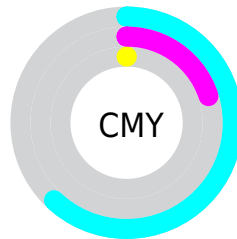
- Red (38%)
- Green (80%)
- Blue (100%)



- Red (38%)
- Yellow (63%)
- Blue (100%)



- Cyan (62%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (62%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.5285, 0.2229, 0.2635 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 52.5285, 0.2229, 0.2635 by changing the saturation by 10% instead.


 52.5285, 0.2229,
0.2635

 52.5285, 0.2229,
0.2635


396.4735, 0.2650,
0.2957


 37.4265, 0.2133,
0.2558


 93.9102, 0.2375,
0.2750

 25.5379, 0.2016,
0.2462


 120.9587, 0.2432,
0.2793

 16.4783, 0.1869,
0.2338

 152.7581, 0.2481,
0.2831

 9.8632, 0.1681,
0.2175

189.6929, 0.2523,
0.2863

 5.3084, 0.1436,
0.1952

232.1475, 0.2561,
0.2891

 2.4293, 0.1111,
0.1636

280.5062, 0.2594,

 0.8409, 0.0600,

0.2916

0.1190

335.1534, 0.2623,
0.2937

0.0000, 0.0000,
0.0000

52.5285, 0.2229,
0.2635

52.5285, 0.2229,
0.2635

47.4539, 0.2123,
0.2507

58.2753, 0.2353,
0.2760

42.9977, 0.2036,
0.2379

64.7306, 0.2490,
0.2879

39.1046, 0.1971,
0.2252

71.9343, 0.2638,
0.2991

36.1941, 0.1930,
0.2147

79.9211, 0.2791,
0.3095

88.7231, 0.2947,
0.3191

98.3703, 0.3103,
0.3277

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



52.5285, 0.2236, 0.2981



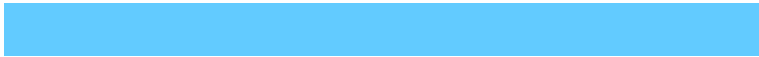
52.5285, 0.2229, 0.2635



52.5285, 0.2435, 0.2487

Triad

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



52.5285, 0.2229, 0.2635



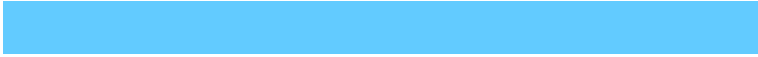
52.5285, 0.3819, 0.3075



52.5285, 0.3367, 0.4200

Complementary

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



52.5285, 0.2229, 0.2635



43.9208, 0.4708, 0.3806

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.



52.5285, 0.3823, 0.4143



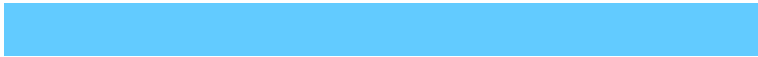
52.5285, 0.2229, 0.2635



52.5285, 0.4108, 0.3471

Square

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



52.5285, 0.2229, 0.2635



52.5285, 0.3335, 0.2742



52.5285, 0.4103, 0.3859



52.5285, 0.2868, 0.3948

Rectangle

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



52.5285, 0.2229, 0.2635



52.5285, 0.2679, 0.2497



52.5285, 0.4103, 0.3859



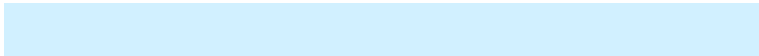
52.5285, 0.3530, 0.4213

Sweetspot

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



52.5304, 0.2229, 0.2635



82.9988, 0.2847, 0.3131



76.2277, 0.2837, 0.4691



17.2317, 0.2802, 0.3102



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.



52.5304, 0.2229, 0.2635



46.3325, 0.2100, 0.2476



24.9225, 0.1998, 0.1625



19.4090, 0.2980, 0.3209



19.2010, 0.1936, 0.2168



2.0700, 0.1975, 0.2310

Inverse Universe

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



34.2934, 0.3738, 0.2274



29.0220, 0.3915, 0.2153



76.6324, 0.4160, 0.4510



18.1921, 0.3189, 0.3132



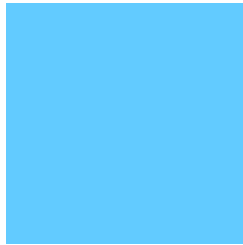
12.6663, 0.4267, 0.2124



1.2535, 0.4115, 0.2041

Previews

White Background



This preview shows how the Yxy color 52.5285, 0.2229, 0.2635 looks on a white background.

Color Contrast Check

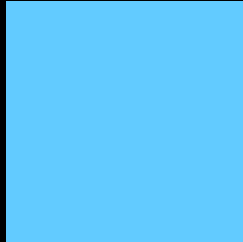
Large Text (above 18pt) WCAG AA × Fail

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 52.5285, 0.2229, 0.2635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

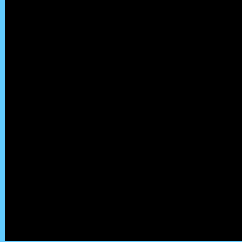
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

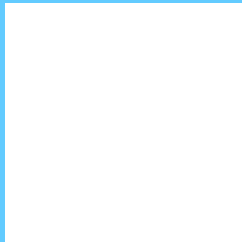
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 52.5285, 0.2229, 0.2635

Background



This preview shows how black text looks on a background with the Yxy color 52.5285, 0.2229, 0.2635.

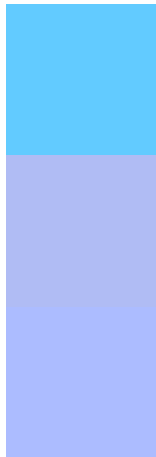


This preview shows how white text looks on a background with the Yxy color 52.5285, 0.2229, 0.2635.

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

52.5285, 0.2229, 0.2635

Protanopia

51.7282, 0.2654, 0.2629

Deuteranopia

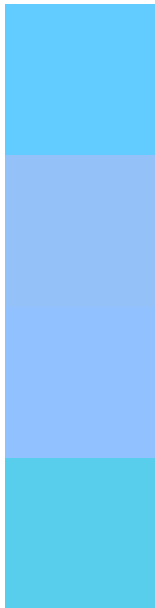
51.9571, 0.2565, 0.2512



Tritanopia

52.4328, 0.2321, 0.3057

Trichromacy



Original Color

52.5285, 0.2229, 0.2635

Protanomaly

51.2131, 0.2466, 0.2618

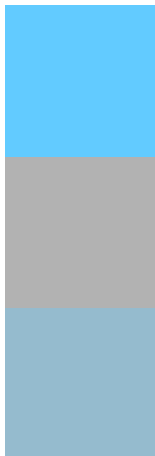
Deuteranomaly

51.3797, 0.2414, 0.2542

Tritanomaly

52.3226, 0.2284, 0.2892

Monochromacy



Original Color

52.5285, 0.2229, 0.2635

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

46.3864, 0.2702, 0.3035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5285, 0.2229, 0.2635 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(98, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(98, 203, 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(98, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 203, 255) }
```

Border

The CSS property to change the border of an element to Yxy 52.5285, 0.2229, 0.2635 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(98, 203, 255) }
```

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

```
.border{ border-color:rgb(98, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(98, 203,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5285, 0.2229, 0.2635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 203, 255) }
```

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

```
.background{ background-color: rgb(98, 203,  
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](#).

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