

Converting Colors

$Y_{xy}(63.6250, 0.2216, 0.2005)$

Have a look what the booklet for
Yxy(63.6250, 0.2216, 0.2005)
contains.

Yxy(57.6765, 0.2556, 0.2675)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(57.6765, 0.2556, 0.2675)

Conversions

Conversions Part 1

Format	Color
Hex	A7CAFF
RGB	167, 202, 255
RGB Percent	65%, 79%, 100%
CMY	0.3449, 0.2079, 0.0000
CMYK	0.34, 0.21, 0.00, 0.00
HSL	216°, 100%, 83%
HSV	216°, 34%, 100%
XYZ	55.1107, 57.6765, 102.8259
YIQ	197.5770, -37.8730, 9.0630

Conversions

Conversions Part 2

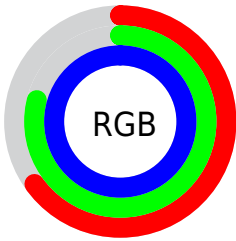
Format	Color
RYB	167, 192, 255
Decimal	10996479
CIELab	80.56, 0.73, -29.74
CIELCh	81, 29.749, 271.416
Yxy	57.6765, 0.2556, 0.2675
Android (android.graphics.Color)	4289186559 (0xFFA7CAFF)
YUV	197.5770, 28.3095, -26.8160
Hunter-Lab	75.9450, -3.3725, -27.1142

Details

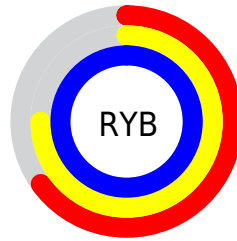
The Yxy color **57.6765, 0.2556, 0.2675** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **75.2517, 0.3761, 0.3834**, and the grayscale version is **56.0493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **28.7018, 0.2416, 0.2525** is the 20% darker color. If you saturate the color by 10%, you get **48.3148, 0.2381, 0.2458**, and if you desaturate by 10%, it is **68.3079, 0.2730, 0.2876**.

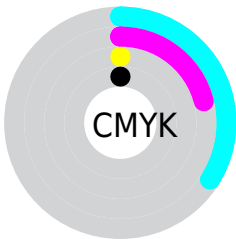
Distribution



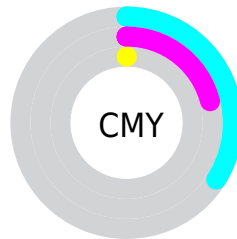
- Red (65%)
- Green (79%)
- Blue (100%)



- Red (65%)
- Yellow (75%)
- Blue (100%)



- Cyan (34%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.6765, 0.2556, 0.2675 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 57.6765, 0.2556, 0.2675 by changing the saturation by 10% instead.

■ 57.6765, 0.2556,
0.2675

■ 57.6765, 0.2556,
0.2675

■ 415.9794, 0.2826,
0.2965

■ 41.5486, 0.2494,
0.2608

■ 101.4516, 0.2650,
0.2776

■ 28.7480, 0.2416,
0.2525

■ 129.8677, 0.2687,
0.2815

■ 18.8903, 0.2318,
0.2420

■ 163.1485, 0.2718,
0.2849

■ 11.5910, 0.2190,
0.2284

■ 201.6787, 0.2745,
0.2878

■ 6.4659, 0.2017,
0.2099

■ 245.8424, 0.2769,
0.2904

■ 3.1304, 0.1773,
0.1840

■ 296.0242, 0.2790,

■ 1.2002, 0.1413,

0.2927

0.1459

352.6084, 0.2809,
0.2947

0.0618, 0.0271,
0.0218

0.0000, 0.0000,
0.0000

57.6765, 0.2556,
0.2675

57.6765, 0.2556,
0.2675

48.3148, 0.2381,
0.2458

68.3079, 0.2730,
0.2876

40.1631, 0.2212,
0.2228

80.2522, 0.2898,
0.3059

33.1658, 0.2053,
0.1991

93.5582, 0.3058,
0.3223

27.2599, 0.1912,
0.1756

99.9993, 0.3127,
0.3290

■ 22.3741, 0.1797,
0.1531

■ 18.4252, 0.1710,
0.1324

■ 16.5956, 0.1673,
0.1221

Harmonies

Analogous

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



57.6765, 0.2417, 0.2823



57.6765, 0.2556, 0.2675



57.6765, 0.2846, 0.2683

Triad

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



57.6765, 0.2556, 0.2675



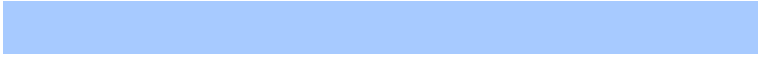
57.6765, 0.3852, 0.3393



57.6765, 0.2992, 0.3824

Complementary

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



57.6765, 0.2556, 0.2675



75.2517, 0.3761, 0.3834

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.



57.6765, 0.3378, 0.3983



57.6765, 0.2556, 0.2675



57.6765, 0.3888, 0.3698

Square

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



57.6765, 0.2556, 0.2675



57.6765, 0.3604, 0.3083



57.6765, 0.3709, 0.3923



57.6765, 0.2657, 0.3491

Rectangle

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



57.6765, 0.2556, 0.2675



57.6765, 0.3096, 0.2767



57.6765, 0.3709, 0.3923



57.6765, 0.3120, 0.3901

Sweetspot

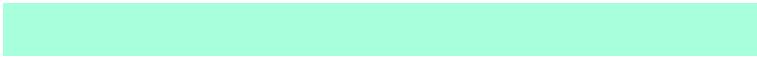
The Sweet Spot groups the original color and five complimentary colors.



57.6787, 0.2556, 0.2675



86.0663, 0.2971, 0.3135



84.8901, 0.2808, 0.3690



18.0265, 0.2948, 0.3111



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.



57.6787, 0.2556, 0.2675



51.4491, 0.2442, 0.2535



44.0814, 0.2560, 0.2269



18.5625, 0.2979, 0.3143



8.9441, 0.1681, 0.1251



1.0772, 0.1743, 0.1475

Inverse Universe

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



53.1735, 0.3620, 0.2929



47.0227, 0.3754, 0.2859



93.9327, 0.3588, 0.4171



18.1067, 0.3231, 0.3196



11.6309, 0.5394, 0.2745



1.1533, 0.5092, 0.2579

Previews

White Background



This preview shows how the Yxy color 57.6765, 0.2556, 0.2675 looks on a white background.

Color Contrast Check

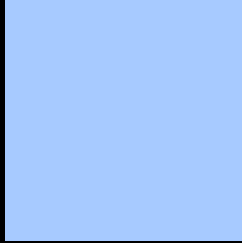
Large Text (above 18pt) WCAG AA × Fail

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 57.6765, 0.2556, 0.2675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

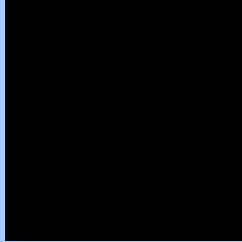
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

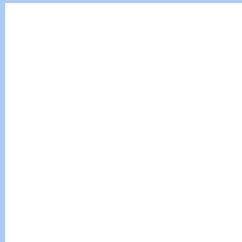
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.6765, 0.2556, 0.2675

Background



This preview shows how black text looks on a background with the Yxy color 57.6765, 0.2556, 0.2675.



This preview shows how white text looks on a background with the Yxy color 57.6765, 0.2556, 0.2675.

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

57.6765, 0.2556, 0.2675

Protanopia

57.3999, 0.2684, 0.2666

Deuteranopia

57.5187, 0.2685, 0.2628



Tritanopia

57.4810, 0.2692, 0.3079

Trichromacy



Original Color

57.6765, 0.2556, 0.2675

Protanomaly

57.5224, 0.2635, 0.2672

Deuteranomaly

57.4319, 0.2636, 0.2642

Tritanomaly

57.4473, 0.2645, 0.2926

Monochromacy



Original Color

57.6765, 0.2556, 0.2675

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

56.5261, 0.2898, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.6765, 0.2556, 0.2675 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(167, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 202, 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(167, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 202, 255) }
```

Border

The CSS property to change the border of an element to Yxy 57.6765, 0.2556, 0.2675 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(167, 202, 255) }
```

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

```
.border{ border-color:rgb(167, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 202,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 57.6765, 0.2556, 0.2675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 202, 255) }
```

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

```
.background{ background-color: rgb(167,  
202, 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