

Converting Colors

$Yxy(66.2434, 0.2600, 0.2956)$

Have a look what the booklet for
Yxy(66.2434, 0.2600, 0.2956)
contains.

Yxy(66.4450, 0.2600, 0.2965)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.4450, 0.2600, 0.2965)

Conversions

Conversions Part 1

Format	Color
Hex	A4DDF9
RGB	164, 221, 249
RGB Percent	64%, 87%, 98%
CMY	0.3569, 0.1333, 0.0235
CMYK	0.34, 0.11, 0.00, 0.02
HSL	200°, 88%, 81%
HSV	200°, 34%, 98%
XYZ	58.2654, 66.4450, 99.3874
YIQ	207.1490, -42.9600, -3.3760

Conversions

Conversions Part 2

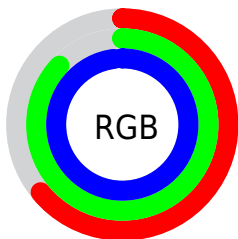
Format	Color
RYB	164, 198, 249
Decimal	10804729
CIELab	85.22, -11.56, -19.49
CIELCh	85, 22.658, 239.319
Yxy	66.4450, 0.2600, 0.2965
Android (android.graphics.Color)	4288994809 (0xFFA4DDF9)
YUV	207.1490, 20.6325, -37.8417
Hunter-Lab	81.5138, -15.0587, -15.2309

Details

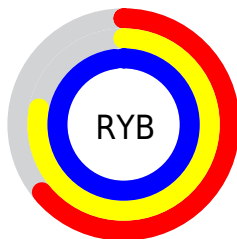
The Yxy color **66.4450, 0.2600, 0.2965** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.5239, 0.3834, 0.3591**, and the grayscale version is **62.3842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **34.3739, 0.2475, 0.2877** is the 20% darker color. If you saturate the color by 10%, you get **59.8256, 0.2455, 0.2852**, and if you desaturate by 10%, it is **73.7999, 0.2752, 0.3071**.

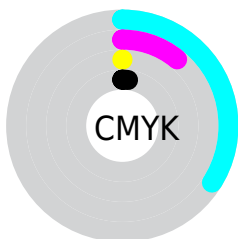
Distribution



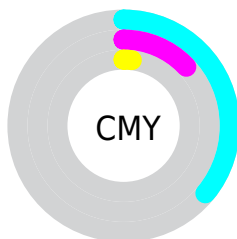
- Red (64%)
- Green (87%)
- Blue (98%)



- Red (64%)
- Yellow (78%)
- Blue (98%)



- Cyan (34%)
- Magenta (11%)
- Yellow (0%)
- Black (2%)




- Cyan (36%)
- Magenta (13%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.4450, 0.2600, 0.2965 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 66.4450, 0.2600, 0.2965 by changing the saturation by 10% instead.


 66.4450, 0.2600,
0.2965


 66.4450, 0.2600,
0.2965


447.9667, 0.2843,
0.3121

 48.6337, 0.2545,
0.2928


 114.1248, 0.2684,
0.3020

 34.3290, 0.2477,
0.2883


 144.7621, 0.2717,
0.3041

 23.1465, 0.2392,
0.2824

180.4436, 0.2745,
0.3059

 14.7017, 0.2282,
0.2747

221.5535, 0.2770,
0.3075

 8.6103, 0.2135,
0.2639

268.4764, 0.2791,
0.3088

 4.4879, 0.1928,
0.2482

321.5967, 0.2810,

 1.9500, 0.1622,

0.3100

0.2234

381.2986, 0.2828,
0.3111

0.5782, 0.0824,
0.1781

0.0000, 0.0000,
0.0000

66.4450, 0.2600,
0.2965

66.4450, 0.2600,
0.2965

59.8256, 0.2455,
0.2852

73.7999, 0.2752,
0.3071

53.9006, 0.2321,
0.2732

81.9134, 0.2907,
0.3168

48.6360, 0.2202,
0.2607

90.8170, 0.3063,
0.3256

43.9907, 0.2100,
0.2480

98.8698, 0.3162,
0.3336

■ 39.9178, 0.2019,
0.2352

■ 99.6204, 0.3162,
0.3347

■ 36.3604, 0.1959,
0.2226

■ 34.4690, 0.1932,
0.2154

Harmonies

Analogous

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



66.4450, 0.2637, 0.3188



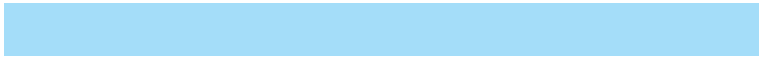
66.4450, 0.2600, 0.2965



66.4450, 0.2696, 0.2842

Triad

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



66.4450, 0.2600, 0.2965



66.4450, 0.3457, 0.3125



66.4450, 0.3334, 0.3789

Complementary

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



66.4450, 0.2600, 0.2965



60.5239, 0.3834, 0.3591

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.



66.4450, 0.3567, 0.3746



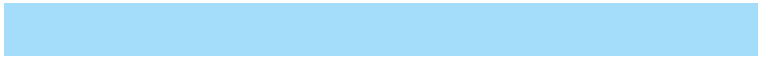
66.4450, 0.2600, 0.2965



66.4450, 0.3643, 0.3356

Square

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



66.4450, 0.2600, 0.2965



66.4450, 0.3184, 0.2938



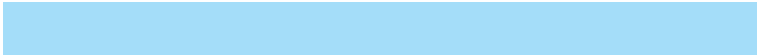
66.4450, 0.3683, 0.3582



66.4450, 0.3052, 0.3683

Rectangle

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



66.4450, 0.2600, 0.2965



66.4450, 0.2825, 0.2825



66.4450, 0.3683, 0.3582



66.4450, 0.3420, 0.3791

Sweetspot

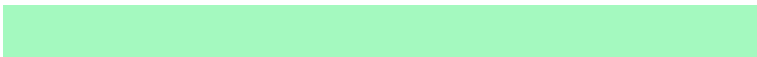
The Sweet Spot groups the original color and five complimentary colors.



66.4476, 0.2600, 0.2965



90.2369, 0.2972, 0.3205



79.4102, 0.2937, 0.3981



19.0354, 0.2950, 0.3193



0.0000, 0.0000, 0.0000



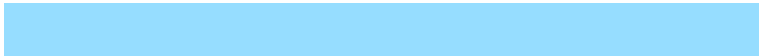
21.4041, 0.3127, 0.3290

Same Dimension

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



66.4476, 0.2600, 0.2965



65.2254, 0.2499, 0.2887



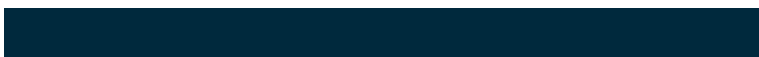
47.2063, 0.2533, 0.2458



18.5884, 0.2980, 0.3210



18.7193, 0.1937, 0.2174



1.9275, 0.1979, 0.2323

Inverse Universe

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



51.9121, 0.3401, 0.2700



48.4134, 0.3476, 0.2580



81.3427, 0.3692, 0.4002



17.4216, 0.3189, 0.3132



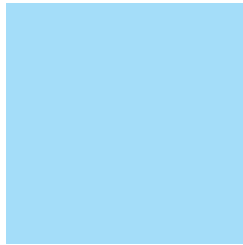
12.3006, 0.4260, 0.2121



1.1588, 0.4102, 0.2034

Previews

White Background



This preview shows how the Yxy color 66.4450, 0.2600, 0.2965 looks on a white background.

Color Contrast Check

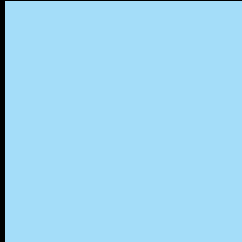
Large Text (above 18pt) WCAG AA × Fail

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 66.4450, 0.2600, 0.2965 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 66.4450, 0.2600, 0.2965

Background



This preview shows how black text looks on a background with the Yxy color 66.4450, 0.2600, 0.2965.



This preview shows how white text looks on a background with the Yxy color 66.4450, 0.2600, 0.2965.

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

66.4450, 0.2600, 0.2965

Protanopia

66.2647, 0.2895, 0.2949

Deuteranopia

65.8001, 0.2873, 0.2808



Tritanopia

66.2152, 0.2637, 0.3077

Trichromacy



Original Color

66.4450, 0.2600, 0.2965

Protanomaly

66.2698, 0.2774, 0.2953

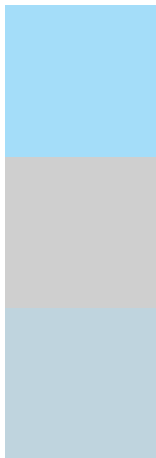
Deuteranomaly

65.6541, 0.2763, 0.2858

Tritanomaly

66.5001, 0.2627, 0.3043

Monochromacy



Original Color

66.4450, 0.2600, 0.2965

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.4373, 0.2912, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.4450, 0.2600, 0.2965 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(164, 221, 249)` looks like.

```
.text, #text, p{  
    color:rgb(164, 221, 249)  
}
```

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(164, 221, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 221, 249) }
```

Border

The CSS property to change the border of an element to Yxy 66.4450, 0.2600, 0.2965 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(164, 221, 249) }
```

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

```
.border{ border-color:rgb(164, 221, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 221, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 221, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 221, 249);  
box-shadow:4px 4px 4px 4px rgb(164, 221,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 66.4450, 0.2600, 0.2965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 221, 249) }
```

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

```
.background{ background-color: rgb(164,  
221, 249) }
```

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