

Converting Colors

$Yxy(66.7553, 0.2657, 0.3064)$

Have a look what the booklet for
Yxy(66.7553, 0.2657, 0.3064)
contains.

Yxy(66.8089, 0.2660, 0.3067)	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(66.8089, 0.2660, 0.3067)

Conversions

Conversions Part 1

Format	Color
Hex	A7DEF1
RGB	167, 222, 241
RGB Percent	65%, 87%, 95%
CMY	0.3449, 0.1294, 0.0548
CMYK	0.31, 0.08, 0.00, 0.05
HSL	195°, 73%, 80%
HSV	195°, 31%, 95%
XYZ	57.9432, 66.8089, 93.0794
YIQ	207.7210, -38.8790, -5.7510

Conversions

Conversions Part 2

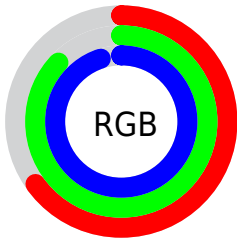
Format	Color
RYB	167, 199, 241
Decimal	11001585
CIELab	85.41, -13.14, -14.97
CIELCh	85, 19.922, 228.729
Yxy	66.8089, 0.2660, 0.3067
Android (android.graphics.Color)	4289191665 (0xFFA7DEF1)
YUV	207.7210, 16.4065, -35.7123
Hunter-Lab	81.7367, -16.5006, -10.3020

Details

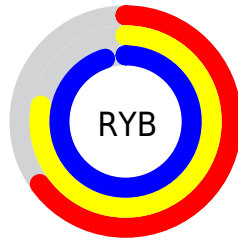
The Yxy color **66.8089, 0.2660, 0.3067** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.6438, 0.3760, 0.3501**, and the grayscale version is **62.8039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **34.6509, 0.2554, 0.3011** is the 20% darker color. If you saturate the color by 10%, you get **61.1928, 0.2519, 0.2982**, and if you desaturate by 10%, it is **73.0406, 0.2809, 0.3146**.

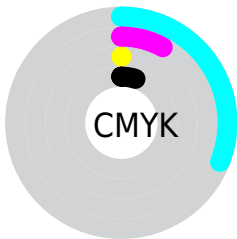
Distribution



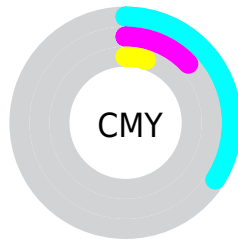
- Red (65%)
- Green (87%)
- Blue (95%)



- Red (65%)
- Yellow (78%)
- Blue (95%)



- Cyan (31%)
- Magenta (8%)
- Yellow (0%)
- Black (5%)



- Cyan (34%)
- Magenta (13%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.8089, 0.2660, 0.3067 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 66.8089, 0.2660, 0.3067 by changing the saturation by 10% instead.

66.8089, 0.2660,
0.3067

66.8089, 0.2660,
0.3067

449.2642, 0.2876,
0.3175

48.9293, 0.2611,
0.3041

114.6465, 0.2735,
0.3105

34.5634, 0.2550,
0.3009

145.3734, 0.2764,
0.3120

23.3268, 0.2474,
0.2967

181.1515, 0.2789,
0.3133

14.8350, 0.2375,
0.2911

222.3652, 0.2811,
0.3143

8.7037, 0.2241,
0.2833

269.3990, 0.2830,
0.3153

4.5484, 0.2051,
0.2715

322.6371, 0.2847,

1.9848, 0.1765,

0.3161

0.2522

382.4641, 0.2862,
0.3168

0.5986, 0.0903,
0.2179

0.0000, 0.0000,
0.0000

66.8089, 0.2660,
0.3067

66.8089, 0.2660,
0.3067

61.1928, 0.2519,
0.2982

73.0406, 0.2809,
0.3146

56.1559, 0.2390,
0.2892

79.9064, 0.2962,
0.3219

51.6696, 0.2275,
0.2798

87.4336, 0.3116,
0.3286

47.6992, 0.2178,
0.2701

94.0075, 0.3215,
0.3346

■ 44.2052, 0.2101,
0.2604

■ 97.8585, 0.3210,
0.3405

■ 41.1404, 0.2043,
0.2507

■ 99.1324, 0.3208,
0.3424

■ 38.6039, 0.2005,
0.2419

Harmonies

Analogous

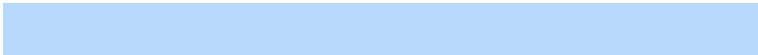
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.8089, 0.2734, 0.3284



66.8089, 0.2660, 0.3067



66.8089, 0.2704, 0.2923

Triad

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



66.8089, 0.2660, 0.3067



66.8089, 0.3338, 0.3080



66.8089, 0.3390, 0.3728

Complementary

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



66.8089, 0.2660, 0.3067



56.6438, 0.3760, 0.3501

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.



66.8089, 0.3563, 0.3651



66.8089, 0.2660, 0.3067



66.8089, 0.3535, 0.3276

Square

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



66.8089, 0.2660, 0.3067



66.8089, 0.3088, 0.2937



66.8089, 0.3618, 0.3483



66.8089, 0.3150, 0.3680

Rectangle

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



66.8089, 0.2660, 0.3067



66.8089, 0.2796, 0.2882



66.8089, 0.3618, 0.3483



66.8089, 0.3458, 0.3715

Sweetspot

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



66.8116, 0.2660, 0.3067



92.1953, 0.2988, 0.3231



74.6708, 0.2982, 0.3961



19.4760, 0.2965, 0.3221



0.0000, 0.0000, 0.0000



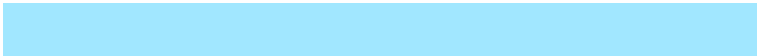
21.4041, 0.3127, 0.3290

Same Dimension

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



66.8116, 0.2660, 0.3067



71.7621, 0.2569, 0.3013



49.4943, 0.2608, 0.2619



17.2005, 0.2981, 0.3228



21.1577, 0.2010, 0.2434



1.9191, 0.2045, 0.2560

Inverse Universe

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



51.6304, 0.3320, 0.2708



52.3819, 0.3372, 0.2585



74.0205, 0.3645, 0.3881



15.9579, 0.3177, 0.3116



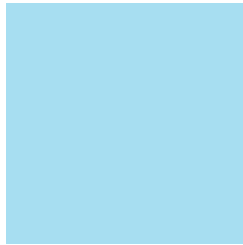
11.9292, 0.3988, 0.1971



1.0084, 0.3863, 0.1902

Previews

White Background



This preview shows how the Yxy color 66.8089, 0.2660, 0.3067 looks on a white background.

Color Contrast Check

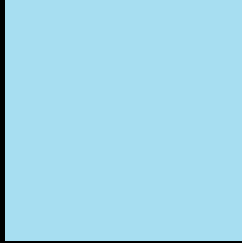
Large Text (above 18pt) WCAG AA × Fail

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 66.8089, 0.2660, 0.3067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

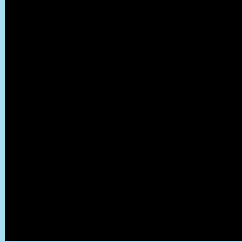
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.8089, 0.2660, 0.3067

Background



This preview shows how black text looks on a background with the Yxy color 66.8089, 0.2660, 0.3067.

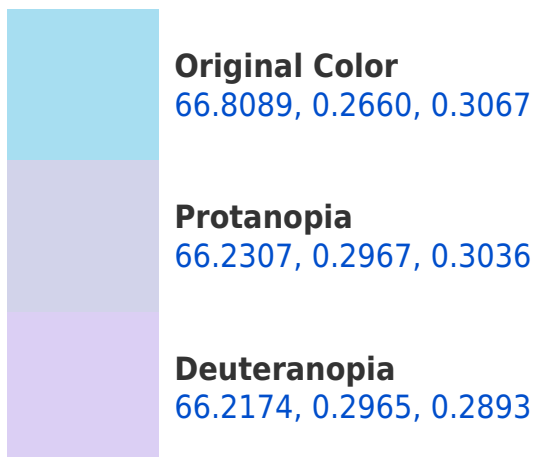


This preview shows how white text looks on a background with the Yxy color 66.8089, 0.2660, 0.3067.

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

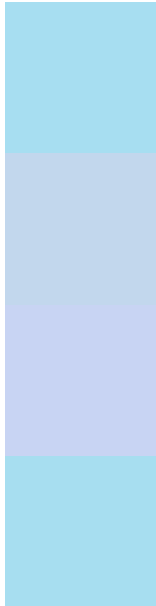




Tritanopia

66.7493, 0.2665, 0.3079

Trichromacy



Original Color

66.8089, 0.2660, 0.3067

Protanomaly

66.1846, 0.2841, 0.3041

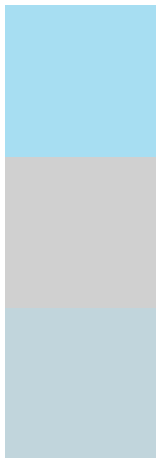
Deuteranomaly

65.8374, 0.2843, 0.2945

Tritanomaly

66.7493, 0.2665, 0.3079

Monochromacy



Original Color

66.8089, 0.2660, 0.3067

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.0933, 0.2938, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8089, 0.2660, 0.3067 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, 222, 241)` looks like.

```
.text, #text, p{  
    color:rgb(167, 222, 241)  
}
```

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, 222, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 222, 241) }
```

Border

The CSS property to change the border of an element to Yxy 66.8089, 0.2660, 0.3067 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, 222, 241) }
```

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

```
.border{ border-color:rgb(167, 222, 241) }
```

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

Here you see how a box with a 4 pixel rgb(167, 222, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 222, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 222, 241);  
box-shadow:4px 4px 4px 4px rgb(167, 222,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8089, 0.2660, 0.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 222, 241) }
```

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

```
.background{ background-color: rgb(167,  
222, 241) }
```

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