

# Converting Colors

$Yxy(66.2597, 0.2654, 0.3051)$

Have a look what the booklet for  
Yxy(66.2597, 0.2654, 0.3051)  
contains.

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# Color

**Yxy(66.2793, 0.2659, 0.3055)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A7DDF1
RGB	167, 221, 241
RGB Percent	65%, 87%, 95%
CMY	0.3447, 0.1334, 0.0548
CMYK	0.31, 0.08, 0.00, 0.05
HSL	196°, 73%, 80%
HSV	196°, 31%, 95%
XYZ	57.6879, 66.2793, 92.9863
YIQ	207.1340, -38.6040, -5.2280

# Conversions

## Conversions Part 2

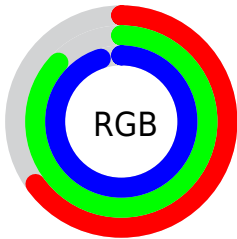
<b>Format</b>	<b>Color</b>
<b>RYB</b>	167, 198, 241
Decimal	11001329
CIELab	85.14, -12.61, -15.37
CIELCh	85, 19.881, 230.648
Yxy	66.2793, 0.2659, 0.3055
Android (android.graphics.Color)	4289191409 (0xFFA7DDF1)
YUV	207.1340, 16.6959, -35.1975
Hunter-Lab	81.4121, -15.9876, -10.7307

# Details

The Yxy color **66.2793, 0.2659, 0.3055** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.0991, 0.3756, 0.3512**, and the grayscale version is **62.4112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **34.2859, 0.2551, 0.2995** is the 20% darker color. If you saturate the color by 10%, you get **60.5118, 0.2517, 0.2965**, and if you desaturate by 10%, it is **72.6756, 0.2809, 0.3139**.

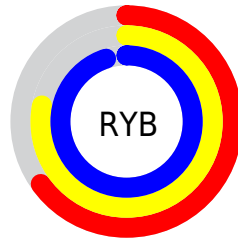
# Distribution



Red (65%)

Green (87%)

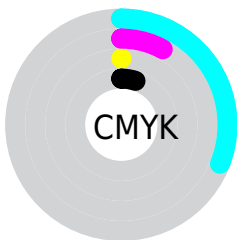
Blue (95%)



Red (65%)

Yellow (78%)

Blue (95%)

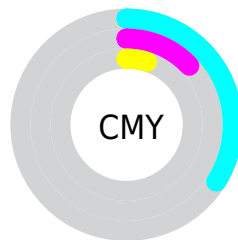


Cyan (31%)

Magenta (8%)

Yellow (0%)

Black (5%)



Cyan (34%)

Magenta (13%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2793, 0.2659, 0.3055 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 66.2793, 0.2659, 0.3055 by changing the saturation by 10% instead.



66.2793, 0.2659,  
0.3055

66.2793, 0.2659,  
0.3055

447.3751, 0.2876,  
0.3169

48.4992, 0.2610,  
0.3028

113.8871, 0.2734,  
0.3095

34.2224, 0.2549,  
0.2994

144.4836, 0.2763,  
0.3111

23.0645, 0.2472,  
0.2950

180.1209, 0.2788,  
0.3124

14.6411, 0.2372,  
0.2891

221.1836, 0.2810,  
0.3135

8.5679, 0.2237,  
0.2809

268.0560, 0.2830,  
0.3145

4.4604, 0.2046,  
0.2686

321.1224, 0.2847,

1.9343, 0.1757,

0.3154

0.2485

380.7673, 0.2862,  
0.3162

0.5689, 0.0864,  
0.2110

0.0000, 0.0000,  
0.0000

66.2793, 0.2659,  
0.3055

66.2793, 0.2659,  
0.3055

60.5118, 0.2517,  
0.2965

72.6756, 0.2809,  
0.3139

55.3365, 0.2386,  
0.2870

79.7195, 0.2962,  
0.3216

50.7246, 0.2269,  
0.2770

87.4384, 0.3117,  
0.3286

46.6412, 0.2170,  
0.2668

94.2054, 0.3215,  
0.3349

■ 43.0465, 0.2090,  
0.2565

■ 98.2746, 0.3209,  
0.3412

■ 39.8931, 0.2031,  
0.2463

■ 99.1321, 0.3208,  
0.3424

■ 37.2774, 0.1991,  
0.2368

# Harmonies

## Analogous

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



66.2793, 0.2726, 0.3269



66.2793, 0.2659, 0.3055



66.2793, 0.2711, 0.2917

# Triad

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



66.2793, 0.2659, 0.3055



66.2793, 0.3353, 0.3091



66.2793, 0.3376, 0.3729

# Complementary

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



66.2793, 0.2659, 0.3055



57.0991, 0.3756, 0.3512

# 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.



66.2793, 0.3556, 0.3659



66.2793, 0.2659, 0.3055



66.2793, 0.3544, 0.3289

# Square

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



66.2793, 0.2659, 0.3055



66.2793, 0.3104, 0.2944



66.2793, 0.3619, 0.3495



66.2793, 0.3134, 0.3673



# Rectangle

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



66.2793, 0.2659, 0.3055



66.2793, 0.2807, 0.2880



66.2793, 0.3619, 0.3495



66.2793, 0.3446, 0.3719

# Sweetspot

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



66.2819, 0.2659, 0.3055



91.9986, 0.2988, 0.3228



74.7291, 0.2975, 0.3944



19.4274, 0.2965, 0.3217



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

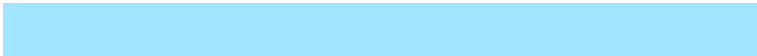


# Same Dimension

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



66.2819, 0.2659, 0.3055



71.0332, 0.2566, 0.2998



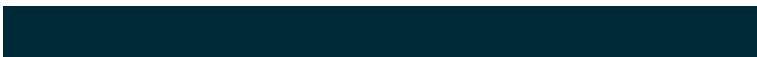
49.0057, 0.2607, 0.2604



17.1619, 0.2981, 0.3224



20.4462, 0.1996, 0.2385



1.8649, 0.2033, 0.2518



# Inverse Universe

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



51.5992, 0.3328, 0.2719



52.3083, 0.3383, 0.2598



74.6874, 0.3641, 0.3892



15.9540, 0.3179, 0.3119



11.8574, 0.4038, 0.1998

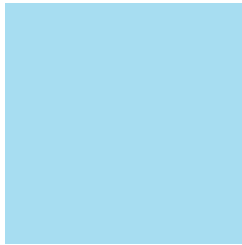


1.0030, 0.3904, 0.1924



# Previews

## White Background



This preview shows how the Yxy color 66.2793, 0.2659, 0.3055 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

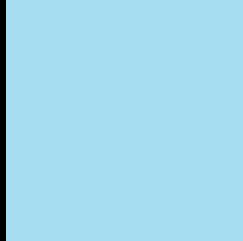
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.2793, 0.2659, 0.3055 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 66.2793, 0.2659, 0.3055**

## Background



This preview shows how black text looks on a background with the Yxy color 66.2793, 0.2659, 0.3055.

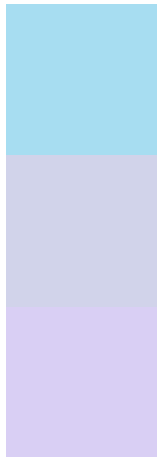


This preview shows how white text looks on a background with the Yxy color 66.2793, 0.2659, 0.3055.

# 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

66.2793, 0.2659, 0.3055

### Protanopia

66.0844, 0.2960, 0.3035

### Deuteranopia

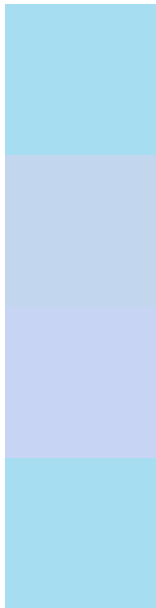
65.9090, 0.2951, 0.2892



## Tritanopia

66.1604, 0.2669, 0.3078

# Trichromacy



**Original Color**

66.2793, 0.2659, 0.3055

**Protanomaly**

66.1846, 0.2841, 0.3041

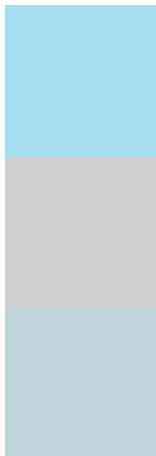
**Deuteranomaly**

65.7001, 0.2836, 0.2945

**Tritanomaly**

66.2197, 0.2664, 0.3067

# Monochromacy



**Original Color**

66.2793, 0.2659, 0.3055

**Achromatopsia**

62.3960, 0.3127, 0.3290

**Achromatomaly**

63.4079, 0.2938, 0.3208

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.2793, 0.2659, 0.3055 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, 221, 241)` looks like.

```
.text, #text, p{  
    color:rgb(167, 221, 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, 221, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 221, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 66.2793, 0.2659, 0.3055 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, 221, 241) }
```

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

```
.border{ border-color:rgb(167, 221, 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, 221, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 221, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 221, 241);  
box-shadow:4px 4px 4px 4px rgb(167, 221,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.2793, 0.2659, 0.3055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 221, 241) }
```

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

```
.background{ background-color: rgb(167,  
221, 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](#).

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