

# Converting Colors

$Yxy(65.9720, 0.2694, 0.2988)$

Have a look what the booklet for  
Yxy(65.9720, 0.2694, 0.2988)  
contains.

<b>Yxy(66.0216, 0.2697, 0.2991)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(66.0216, 0.2697, 0.2991)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1DAF4
RGB	177, 218, 244
RGB Percent	69%, 85%, 96%
CMY	0.3058, 0.1451, 0.0432
CMYK	0.27, 0.11, 0.00, 0.04
HSL	203°, 75%, 83%
HSV	203°, 27%, 96%
XYZ	59.5320, 66.0216, 95.1806
YIQ	208.7050, -32.7820, -0.6060

# Conversions

## Conversions Part 2

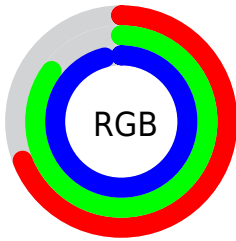
Format	Color
<b>RYB</b>	177, 202, 244
Decimal	11655924
CIELab	85.01, -7.58, -17.08
CIELCh	85, 18.686, 246.078
Yxy	66.0216, 0.2697, 0.2991
Android (android.graphics.Color)	4289846004 (0xFFB1DAF4)
YUV	208.7050, 17.4004, -27.8053
Hunter-Lab	81.2537, -11.4126, -12.5748

# Details

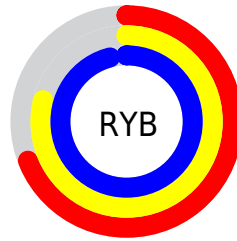
The Yxy color **66.0216, 0.2697, 0.2991** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.1155, 0.3652, 0.3570**, and the grayscale version is **63.4616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **34.0362, 0.2595, 0.2911** is the 20% darker color. If you saturate the color by 10%, you get **58.6403, 0.2542, 0.2862**, and if you desaturate by 10%, it is **74.2007, 0.2855, 0.3109**.

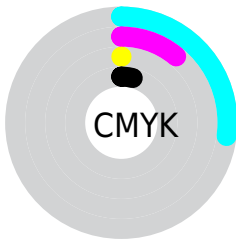
# Distribution



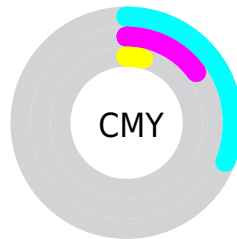
- Red (69%)
- Green (85%)
- Blue (96%)



- Red (69%)
- Yellow (79%)
- Blue (96%)



- Cyan (27%)
- Magenta (11%)
- Yellow (0%)
- Black (4%)



- Cyan (31%)
- Magenta (15%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.0216, 0.2697, 0.2991 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 66.0216, 0.2697, 0.2991 by changing the saturation by 10% instead.



■ 66.0216, 0.2697,  
0.2991

■ 66.0216, 0.2697,  
0.2991

446.4541, 0.2897,  
0.3133

■ 48.2899, 0.2651,  
0.2958

■ 113.5173, 0.2766,  
0.3041

■ 34.0566, 0.2595,  
0.2916

144.0502, 0.2793,  
0.3060

■ 22.9370, 0.2524,  
0.2863

179.6189, 0.2816,  
0.3077

■ 14.5470, 0.2432,  
0.2793

220.6079, 0.2837,  
0.3091

■ 8.5021, 0.2306,  
0.2695

267.4015, 0.2854,  
0.3104

■ 4.4179, 0.2127,  
0.2553

320.3841, 0.2870,

■ 1.9100, 0.1856,

0.3115

0.2326

379.9402, 0.2884,  
0.3124

0.5544, 0.1156,  
0.1875

0.0000, 0.0000,  
0.0000

66.0216, 0.2697,  
0.2991

66.0216, 0.2697,  
0.2991

58.6403, 0.2542,  
0.2862

74.2007, 0.2855,  
0.3109

52.0170, 0.2394,  
0.2724

83.1996, 0.3012,  
0.3217

46.1199, 0.2256,  
0.2579

93.0489, 0.3166,  
0.3314

40.9107, 0.2134,  
0.2429

99.3107, 0.3191,  
0.3396

■ 36.3471, 0.2030,  
0.2277

■ 32.3795, 0.1948,  
0.2126

■ 28.9446, 0.1887,  
0.1979

■ 28.1300, 0.1873,  
0.1942

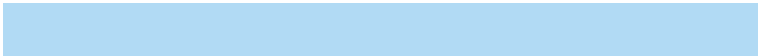
# Harmonies

## Analogous

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



66.0216, 0.2703, 0.3161



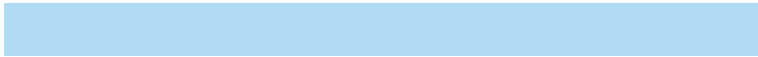
66.0216, 0.2697, 0.2991



66.0216, 0.2801, 0.2908

# Triad

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



66.0216, 0.2697, 0.2991



66.0216, 0.3443, 0.3195



66.0216, 0.3248, 0.3691

# Complementary

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



66.0216, 0.2697, 0.2991



65.1155, 0.3652, 0.3570

# 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.



66.0216, 0.3455, 0.3685



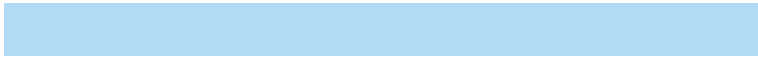
66.0216, 0.2697, 0.2991



66.0216, 0.3571, 0.3392

# Square

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



66.0216, 0.2697, 0.2991



66.0216, 0.3229, 0.3027



66.0216, 0.3575, 0.3572



66.0216, 0.3015, 0.3577



# Rectangle

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



66.0216, 0.2697, 0.2991



66.0216, 0.2922, 0.2907



66.0216, 0.3575, 0.3572



66.0216, 0.3323, 0.3702

# Sweetspot

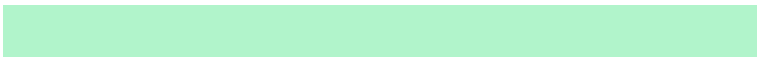
The Sweet Spot groups the original color and five complimentary colors.



66.0242, 0.2697, 0.2991



91.3881, 0.3003, 0.3211



78.3380, 0.2947, 0.3771



19.2287, 0.2979, 0.3196



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

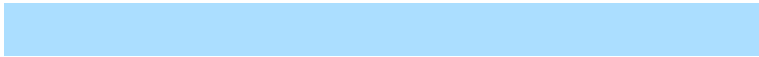


# Same Dimension

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



66.0242, 0.2697, 0.2991



68.2916, 0.2609, 0.2920



50.5057, 0.2657, 0.2592



17.6153, 0.2980, 0.3196



15.5708, 0.1879, 0.1966



1.5676, 0.1930, 0.2149



# Inverse Universe

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



55.7427, 0.3367, 0.2858



55.6221, 0.3432, 0.2766



82.4952, 0.3562, 0.3903



16.6530, 0.3198, 0.3146



11.6713, 0.4492, 0.2248

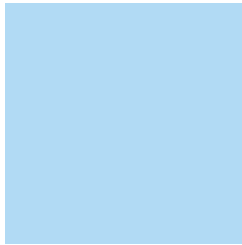


1.0459, 0.4287, 0.2135



# Previews

## White Background



This preview shows how the Yxy color 66.0216, 0.2697, 0.2991 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

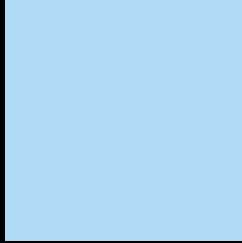
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.0216, 0.2697, 0.2991 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

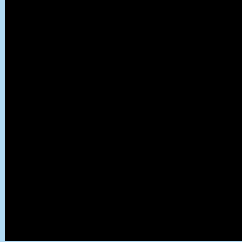
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

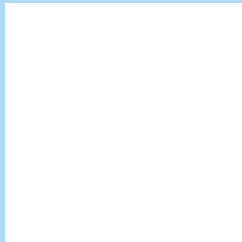
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.0216, 0.2697, 0.2991**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.0216, 0.2697, 0.2991.

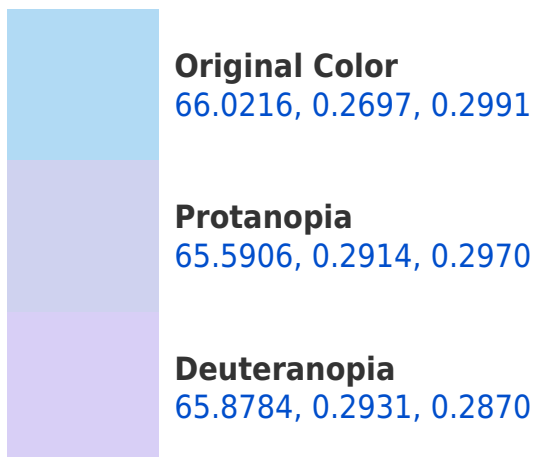


This preview shows how white text looks on a background with the Yxy color 66.0216, 0.2697, 0.2991.

# 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

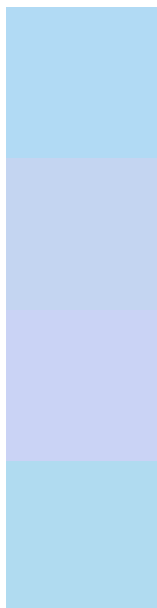




## Tritanopia

65.8914, 0.2725, 0.3080

# Trichromacy



## Original Color

66.0216, 0.2697, 0.2991

## Protanomaly

65.6751, 0.2829, 0.2976

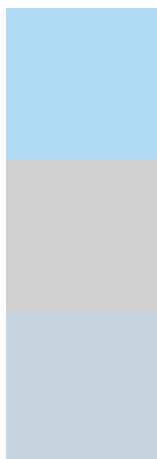
## Deuteranomaly

65.7377, 0.2843, 0.2914

## Tritanomaly

66.1844, 0.2714, 0.3046

# Monochromacy



## Original Color

66.0216, 0.2697, 0.2991

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

64.2312, 0.2953, 0.3174

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.0216, 0.2697, 0.2991 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(177, 218, 244)` looks like.

```
.text, #text, p{  
    color:rgb(177, 218, 244)  
}
```

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(177, 218, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 218, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 66.0216, 0.2697, 0.2991 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(177, 218, 244) }
```

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

```
.border{ border-color:rgb(177, 218, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 218, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 218, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 218, 244);  
box-shadow:4px 4px 4px 4px rgb(177, 218,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.0216, 0.2697, 0.2991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 218, 244) }
```

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

```
.background{ background-color: rgb(177,  
218, 244) }
```

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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