

Converting Colors

Yxy(65.8468, 0.2753, 0.3061)

Have a look what the booklet for
Yxy(65.8468, 0.2753, 0.3061)
contains.

Yxy(65.9605, 0.2754, 0.3070)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.9605, 0.2754, 0.3070)

Conversions

Conversions Part 1

Format	Color
Hex	B4DAED
RGB	180, 218, 237
RGB Percent	71%, 85%, 93%
CMY	0.2943, 0.1450, 0.0706
CMYK	0.24, 0.08, 0.00, 0.07
HSL	200°, 61%, 82%
HSV	200°, 24%, 93%
XYZ	59.1711, 65.9605, 89.7235
YIQ	208.8040, -28.7470, -2.1470

Conversions

Conversions Part 2

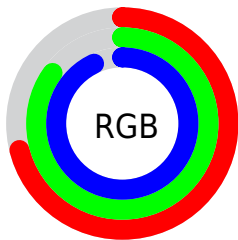
Format	Color
RYB	180, 203, 237
Decimal	11852525
CIELab	84.98, -8.31, -13.41
CIELCh	85, 15.773, 238.213
Yxy	65.9605, 0.2754, 0.3070
Android (android.graphics.Color)	4290042605 (0xFFB4DAED)
YUV	208.8040, 13.9006, -25.2611
Hunter-Lab	81.2161, -12.0795, -8.6494

Details

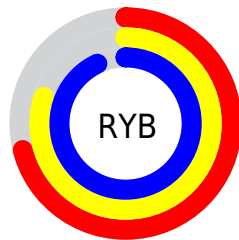
The Yxy color **65.9605, 0.2754, 0.3070** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **62.1125, 0.3582, 0.3500**, and the grayscale version is **63.5445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **33.9662, 0.2666, 0.3014** is the 20% darker color. If you saturate the color by 10%, you get **59.3657, 0.2602, 0.2964**, and if you desaturate by 10%, it is **73.2414, 0.2909, 0.3168**.

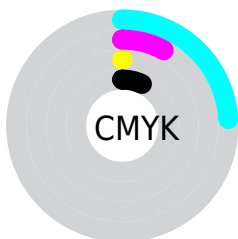
Distribution



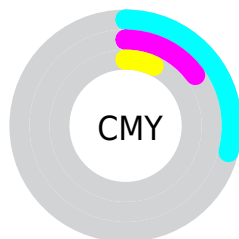
- Red (71%)
- Green (85%)
- Blue (93%)



- Red (71%)
- Yellow (80%)
- Blue (93%)



- Cyan (24%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)



- Cyan (29%)
- Magenta (15%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9605, 0.2754, 0.3070 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 65.9605, 0.2754, 0.3070 by changing the saturation by 10% instead.

■ 65.9605, 0.2754,
0.3070

■ 65.9605, 0.2754,
0.3070

446.2356, 0.2928,
0.3175

■ 48.2403, 0.2714,
0.3045

■ 113.4296, 0.2814,
0.3107

■ 34.0173, 0.2665,
0.3014

143.9474, 0.2838,
0.3121

■ 22.9069, 0.2603,
0.2974

179.4998, 0.2858,
0.3134

■ 14.5247, 0.2521,
0.2921

220.4713, 0.2875,
0.3144

■ 8.4865, 0.2410,
0.2846

267.2462, 0.2891,
0.3153

■ 4.4078, 0.2250,
0.2735

320.2090, 0.2905,

■ 1.9042, 0.2002,

0.3162

0.2554

379.7440, 0.2917,
0.3169

0.5509, 0.1268,
0.2178

0.0000, 0.0000,
0.0000

65.9605, 0.2754,
0.3070

65.9605, 0.2754,
0.3070

59.3657, 0.2602,
0.2964

73.2414, 0.2909,
0.3168

53.4216, 0.2457,
0.2849

81.2260, 0.3065,
0.3257

48.1013, 0.2323,
0.2729

89.9410, 0.3218,
0.3336

43.3721, 0.2203,
0.2603

95.4677, 0.3237,
0.3412

■ 39.1980, 0.2101,
0.2475

■ 98.8937, 0.3232,
0.3464

■ 35.5372, 0.2019,
0.2346

■ 32.3396, 0.1958,
0.2219

■ 30.6163, 0.1929,
0.2145

Harmonies

Analogous

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



65.9605, 0.2784, 0.3229



65.9605, 0.2754, 0.3070



65.9605, 0.2820, 0.2977

Triad

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



65.9605, 0.2754, 0.3070



65.9605, 0.3351, 0.3169



65.9605, 0.3281, 0.3635

Complementary

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



65.9605, 0.2754, 0.3070



62.1125, 0.3582, 0.3500

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.



65.9605, 0.3440, 0.3607



65.9605, 0.2754, 0.3070



65.9605, 0.3482, 0.3334

Square

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



65.9605, 0.2754, 0.3070



65.9605, 0.3161, 0.3036



65.9605, 0.3515, 0.3494



65.9605, 0.3084, 0.3564

Rectangle

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



65.9605, 0.2754, 0.3070



65.9605, 0.2910, 0.2960



65.9605, 0.3515, 0.3494



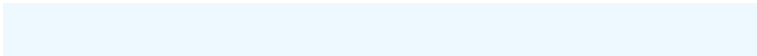
65.9605, 0.3340, 0.3637

Sweetspot

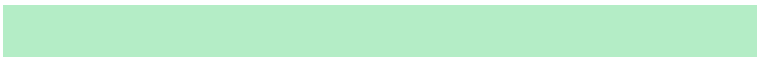
The Sweet Spot groups the original color and five complimentary colors.



65.9632, 0.2754, 0.3070



93.0397, 0.3019, 0.3231



74.3382, 0.2990, 0.3749



19.7901, 0.3009, 0.3226



0.0000, 0.0000, 0.0000



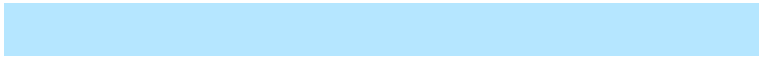
21.4041, 0.3127, 0.3290

Same Dimension

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



65.9632, 0.2754, 0.3070



73.8647, 0.2677, 0.3017



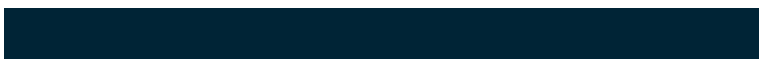
52.8198, 0.2726, 0.2737



16.2285, 0.2981, 0.3210



16.9682, 0.1935, 0.2166



1.5079, 0.1983, 0.2340

Inverse Universe

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



55.6921, 0.3305, 0.2881



60.0636, 0.3352, 0.2792



75.9792, 0.3515, 0.3788



15.2236, 0.3189, 0.3134



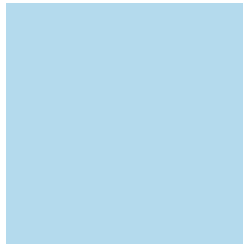
11.2058, 0.4269, 0.2126



0.8976, 0.4085, 0.2024

Previews

White Background



This preview shows how the Yxy color 65.9605, 0.2754, 0.3070 looks on a white background.

Color Contrast Check

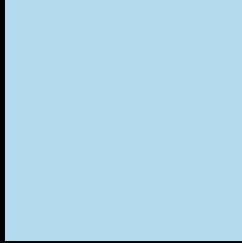
Large Text (above 18pt) WCAG AA × Fail

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 65.9605, 0.2754, 0.3070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

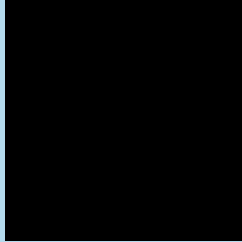
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

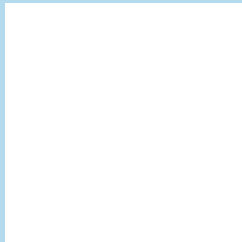
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.9605, 0.2754, 0.3070

Background



This preview shows how black text looks on a background with the Yxy color 65.9605, 0.2754, 0.3070.

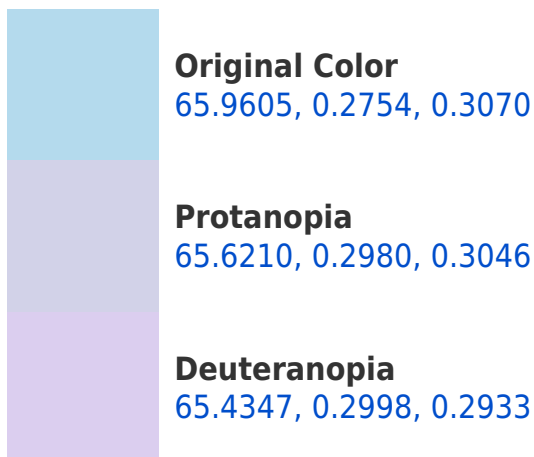


This preview shows how white text looks on a background with the Yxy color 65.9605, 0.2754, 0.3070.

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

65.9022, 0.2760, 0.3081

Trichromacy



Original Color

65.9605, 0.2754, 0.3070

Protanomaly

65.6711, 0.2891, 0.3053

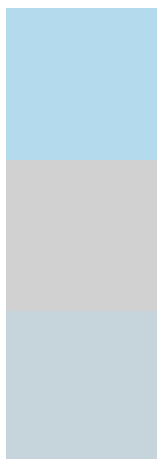
Deuteranomaly

65.2454, 0.2906, 0.2979

Tritanomaly

65.9022, 0.2760, 0.3081

Monochromacy



Original Color

65.9605, 0.2754, 0.3070

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.2072, 0.2980, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9605, 0.2754, 0.3070 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(180, 218, 237)` looks like.

```
.text, #text, p{  
    color:rgb(180, 218, 237)  
}
```

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(180, 218, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 218, 237) }
```

Border

The CSS property to change the border of an element to Yxy 65.9605, 0.2754, 0.3070 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(180, 218, 237) }
```

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

```
.border{ border-color:rgb(180, 218, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 218, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 218, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 218, 237);  
box-shadow:4px 4px 4px 4px rgb(180, 218,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9605, 0.2754, 0.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 218, 237) }
```

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

```
.background{ background-color: rgb(180,  
218, 237) }
```

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