

Converting Colors

$Yxy(65.0097, 0.2637, 0.3021)$

Have a look what the booklet for
Yxy(65.0097, 0.2637, 0.3021)
contains.

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Color

Yxy(64.9664, 0.2633, 0.3019)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A4DBF2 |
| RGB | 164, 219, 242 |
| RGB Percent | 64%, 86%, 95% |
| CMY | 0.3571, 0.1411, 0.0509 |
| CMYK | 0.32, 0.10, 0.00, 0.05 |
| HSL | 198°, 75%, 80% |
| HSV | 198°, 32%, 95% |
| XYZ | 56.6600, 64.9664, 93.5654 |
| YIQ | 205.1770, -40.1630, -4.5070 |

Conversions

Conversions Part 2

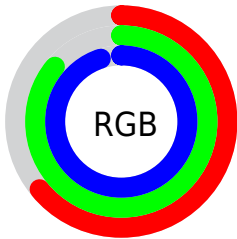
| Format | Color |
|-------------------------------------|---|
| RYB | 164, 196, 242 |
| Decimal | 10804210 |
| CIELab | 84.47, -12.24, -16.93 |
| CIELCh | 84, 20.887, 234.131 |
| Yxy | 64.9664, 0.2633, 0.3019 |
| Android (android.graphics.Color) | 4288994290 (0xFFA4DBF2) |
| YUV | 205.1770, 18.1537, -36.1122 |
| Hunter-Lab | 80.6017, -15.5742, -12.4047 |

Details

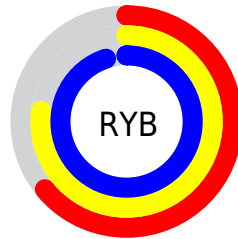
The Yxy color **64.9664, 0.2633, 0.3019** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **57.0711, 0.3793, 0.3544**, and the grayscale version is **61.0648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **33.3473, 0.2513, 0.2946** is the 20% darker color. If you saturate the color by 10%, you get **58.9950, 0.2490, 0.2920**, and if you desaturate by 10%, it is **71.5920, 0.2783, 0.3112**.

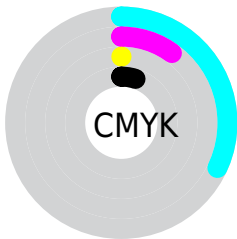
Distribution



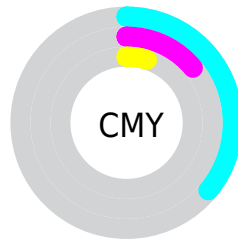
- Red (64%)
- Green (86%)
- Blue (95%)



- Red (64%)
- Yellow (77%)
- Blue (95%)



- Cyan (32%)
- Magenta (10%)
- Yellow (0%)
- Black (5%)



- Cyan (36%)
- Magenta (14%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.9664, 0.2633, 0.3019 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 64.9664, 0.2633, 0.3019 by changing the saturation by 10% instead.

 64.9664, 0.2633,
0.3019


 64.9664, 0.2633,
0.3019


442.6712, 0.2862,
0.3150

 47.4338, 0.2581,
0.2988


 112.0016, 0.2712,
0.3065

 33.3787, 0.2516,
0.2949


 142.2729, 0.2743,
0.3083

 22.4167, 0.2435,
0.2898

177.5594, 0.2770,
0.3098

 14.1634, 0.2329,
0.2831

218.2452, 0.2793,
0.3112

 8.2344, 0.2186,
0.2736

264.7150, 0.2814,
0.3123

 4.2453, 0.1983,
0.2595

317.3530, 0.2832,

 1.8117, 0.1677,

0.3133

376.5436, 0.2848,
0.3142

0.2366

0.4945, 0.0658,
0.1900

0.0000, 0.0000,
0.0000

64.9664, 0.2633,
0.3019

64.9664, 0.2633,
0.3019

58.9950, 0.2490,
0.2920

71.5920, 0.2783,
0.3112

53.6404, 0.2358,
0.2815

78.8918, 0.2937,
0.3197

48.8723, 0.2241,
0.2705

86.8941, 0.3092,
0.3274

44.6545, 0.2141,
0.2593

94.5171, 0.3208,
0.3344

■ 40.9451, 0.2061,
0.2480

■ 98.9732, 0.3203,
0.3412

■ 37.6943, 0.2002,
0.2368

■ 99.1915, 0.3203,
0.3415

■ 35.4344, 0.1968,
0.2283

Harmonies

Analogous

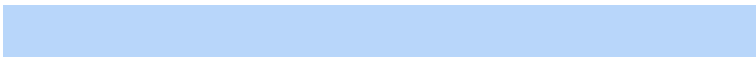
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.9664, 0.2689, 0.3238



64.9664, 0.2633, 0.3019



64.9664, 0.2702, 0.2885

Triad

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



64.9664, 0.2633, 0.3019



64.9664, 0.3394, 0.3102



64.9664, 0.3362, 0.3755

Complementary

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



64.9664, 0.2633, 0.3019



57.0711, 0.3793, 0.3544

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.



64.9664, 0.3564, 0.3694



64.9664, 0.2633, 0.3019



64.9664, 0.3585, 0.3314

Square

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



64.9664, 0.2633, 0.3019



64.9664, 0.3134, 0.2939



64.9664, 0.3647, 0.3530



64.9664, 0.3104, 0.3680

Rectangle

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



64.9664, 0.2633, 0.3019



64.9664, 0.2811, 0.2856



64.9664, 0.3647, 0.3530



64.9664, 0.3439, 0.3749

Sweetspot

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



64.9690, 0.2633, 0.3019



90.7814, 0.2972, 0.3214



74.9448, 0.2961, 0.3968



19.1675, 0.2950, 0.3203



0.0000, 0.0000, 0.0000



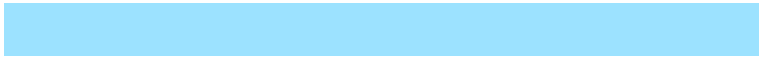
21.4041, 0.3127, 0.3290

Same Dimension

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



64.9690, 0.2633, 0.3019



68.4768, 0.2534, 0.2952



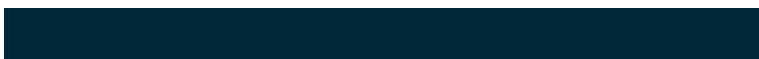
47.2871, 0.2575, 0.2546



17.0968, 0.2981, 0.3219



19.2821, 0.1973, 0.2301



1.7757, 0.2013, 0.2447

Inverse Universe

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



50.5244, 0.3357, 0.2707



50.3611, 0.3422, 0.2582



75.4597, 0.3666, 0.3937



15.9474, 0.3183, 0.3125



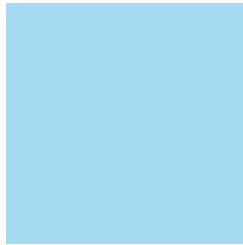
11.7399, 0.4125, 0.2046



0.9940, 0.3975, 0.1964

Previews

White Background



This preview shows how the Yxy color 64.9664, 0.2633, 0.3019 looks on a white background.

Color Contrast Check

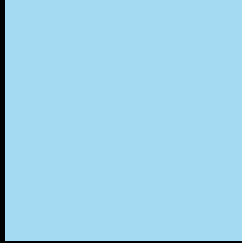
Large Text (above 18pt) WCAG AA × Fail

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 64.9664, 0.2633, 0.3019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

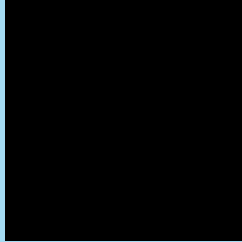
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.9664, 0.2633, 0.3019

Background



This preview shows how black text looks on a background with the Yxy color 64.9664, 0.2633, 0.3019.

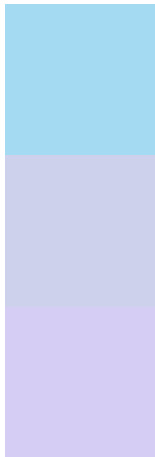


This preview shows how white text looks on a background with the Yxy color 64.9664, 0.2633, 0.3019.

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

64.9664, 0.2633, 0.3019

Protanopia

64.7209, 0.2932, 0.3000

Deuteranopia

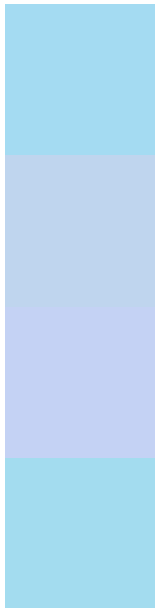
64.5514, 0.2923, 0.2857



Tritanopia

65.0874, 0.2656, 0.3088

Trichromacy



Original Color

64.9664, 0.2633, 0.3019

Protanomaly

64.8379, 0.2814, 0.3005

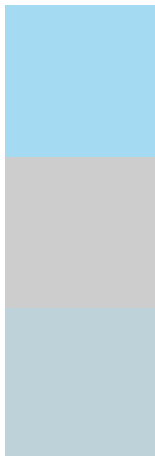
Deuteranomaly

64.3606, 0.2809, 0.2909

Tritanomaly

65.2049, 0.2645, 0.3065

Monochromacy



Original Color

64.9664, 0.2633, 0.3019

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

62.1023, 0.2930, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.9664, 0.2633, 0.3019 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, 219, 242)` looks like.

```
.text, #text, p{  
    color:rgb(164, 219, 242)  
}
```

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, 219, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 219, 242) }
```

Border

The CSS property to change the border of an element to Yxy 64.9664, 0.2633, 0.3019 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, 219, 242) }
```

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

```
.border{ border-color:rgb(164, 219, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 219, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 219, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 219, 242);  
box-shadow:4px 4px 4px 4px rgb(164, 219,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 64.9664, 0.2633, 0.3019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 219, 242) }
```

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

```
.background{ background-color: rgb(164,  
219, 242) }
```

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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