

Converting Colors

Yxy(65.9432, 0.2689, 0.3165)

Have a look what the booklet for
Yxy(65.9432, 0.2689, 0.3165)
contains.

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Color

Yxy(65.9613, 0.2691, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	A4DEE8
RGB	164, 222, 232
RGB Percent	64%, 87%, 91%
CMY	0.3569, 0.1294, 0.0902
CMYK	0.29, 0.04, 0.00, 0.09
HSL	189°, 60%, 78%
HSV	189°, 29%, 91%
XYZ	55.9943, 65.9613, 86.1242
YIQ	205.7980, -37.7780, -9.1860

Conversions

Conversions Part 2

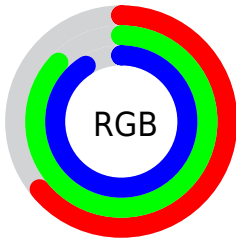
Format	Color
RYB	164, 195, 232
Decimal	10804968
CIELab	84.98, -16.09, -10.87
CIELCh	85, 19.417, 214.027
Yxy	65.9613, 0.2691, 0.3170
Android (android.graphics.Color)	4288995048 (0xFFA4DEE8)
YUV	205.7980, 12.9176, -36.6568
Hunter-Lab	81.2166, -19.0632, -6.0211

Details

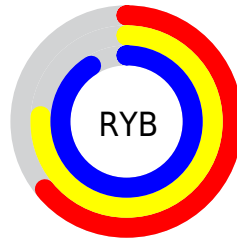
The Yxy color **65.9613, 0.2691, 0.3170** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.1010, 0.3747, 0.3406**, and the grayscale version is **61.5195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **34.0870, 0.2592, 0.3146** is the 20% darker color. If you saturate the color by 10%, you get **61.9241, 0.2559, 0.3123**, and if you desaturate by 10%, it is **70.4906, 0.2834, 0.3214**.

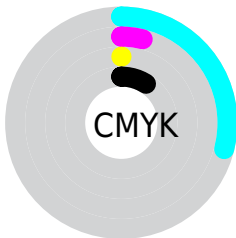
Distribution



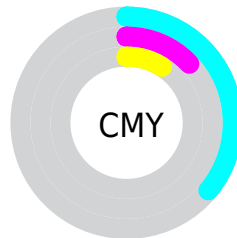
- Red (64%)
- Green (87%)
- Blue (91%)



- Red (64%)
- Yellow (76%)
- Blue (91%)



- Cyan (29%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)





- Cyan (36%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9613, 0.2691, 0.3170 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 65.9613, 0.2691, 0.3170 by changing the saturation by 10% instead.


 65.9613, 0.2691,
0.3170


 65.9613, 0.2691,
0.3170


446.2385, 0.2893,
0.3230

 48.2410, 0.2645,
0.3155


 113.4308, 0.2761,
0.3192

 34.0178, 0.2587,
0.3136


 143.9487, 0.2789,
0.3200

 22.9072, 0.2515,
0.3112


179.5014, 0.2812,
0.3207

 14.5250, 0.2420,
0.3078

220.4731, 0.2833,
0.3213

 8.4867, 0.2292,
0.3029

267.2483, 0.2851,
0.3218

 4.4079, 0.2108,
0.2953

320.2113, 0.2867,

 1.9043, 0.1824,

0.3222

0.2821

379.7465, 0.2881,
0.3226

■ 0.5509, 0.0624,
0.2626

■ 0.0000, 0.0000,
0.0000

■ 65.9613, 0.2691,
0.3170

■ 65.9613, 0.2691,
0.3170

■ 61.9241, 0.2559,
0.3123

■ 70.4906, 0.2834,
0.3214

■ 58.3464, 0.2440,
0.3073

■ 75.5270, 0.2984,
0.3255

■ 55.2037, 0.2338,
0.3022

■ 81.0943, 0.3138,
0.3292

■ 52.4660, 0.2254,
0.2970

■ 86.8720, 0.3281,
0.3326

■ 50.0989, 0.2190,
0.2917

■ 88.8499, 0.3278,
0.3360

■ 48.0620, 0.2145,
0.2865

■ 90.8655, 0.3274,
0.3393

■ 46.2907, 0.2116,
0.2813

■ 92.9190, 0.3271,
0.3426

■ 46.1738, 0.2114,
0.2810

■ 95.0105, 0.3267,
0.3458

■ 97.1402, 0.3264,
0.3491

Harmonies

Analogous

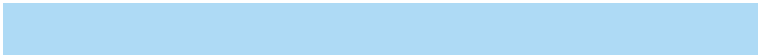
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.9613, 0.2817, 0.3397



65.9613, 0.2691, 0.3170



65.9613, 0.2677, 0.2989

Triad

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



65.9613, 0.2691, 0.3170



65.9613, 0.3216, 0.3007



65.9613, 0.3480, 0.3696

Complementary

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



65.9613, 0.2691, 0.3170



50.1010, 0.3747, 0.3406

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.



65.9613, 0.3597, 0.3571



65.9613, 0.2691, 0.3170



65.9613, 0.3442, 0.3178

Square

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



65.9613, 0.2691, 0.3170



65.9613, 0.2973, 0.2904



65.9613, 0.3584, 0.3382



65.9613, 0.3269, 0.3711

Rectangle

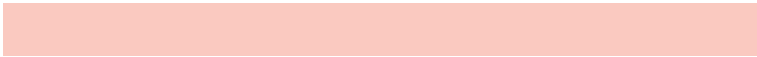
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.9613, 0.2691, 0.3170



65.9613, 0.2733, 0.2915



65.9613, 0.3584, 0.3382



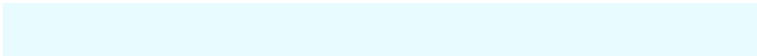
65.9613, 0.3532, 0.3664

Sweetspot

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



65.9639, 0.2691, 0.3170



93.7714, 0.2988, 0.3256



68.6244, 0.3034, 0.4027



19.8664, 0.2965, 0.3250



0.0000, 0.0000, 0.0000



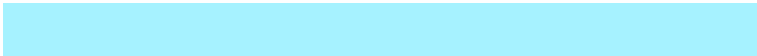
21.4041, 0.3127, 0.3290

Same Dimension

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



65.9639, 0.2691, 0.3170



78.7362, 0.2612, 0.3143



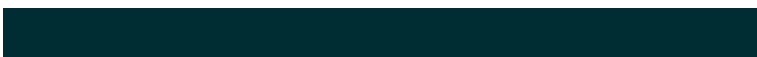
50.0809, 0.2646, 0.2758



15.9564, 0.2981, 0.3255



25.7791, 0.2116, 0.2818



2.0038, 0.2137, 0.2894

Inverse Universe

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



48.9770, 0.3244, 0.2660



54.8456, 0.3273, 0.2534



64.4921, 0.3642, 0.3770



14.5769, 0.3160, 0.3092



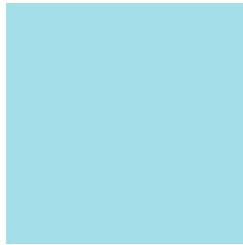
11.8001, 0.3618, 0.1767



0.8820, 0.3549, 0.1729

Previews

White Background



This preview shows how the Yxy color 65.9613, 0.2691, 0.3170 looks on a white background.

Color Contrast Check

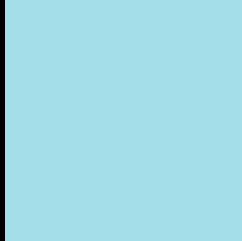
Large Text (above 18pt) WCAG AA × Fail

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 65.9613, 0.2691, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

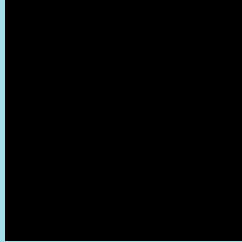
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.9613, 0.2691, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 65.9613, 0.2691, 0.3170.

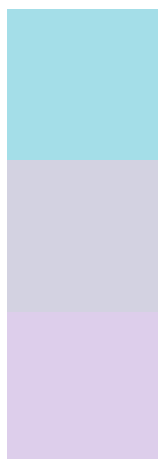


This preview shows how white text looks on a background with the Yxy color 65.9613, 0.2691, 0.3170.

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

65.9613, 0.2691, 0.3170

Protanopia

65.3783, 0.3033, 0.3122

Deuteranopia

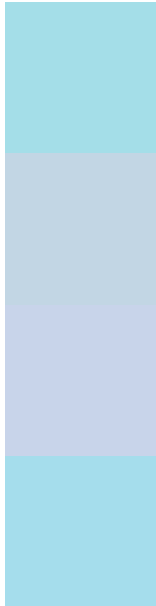
65.5129, 0.3039, 0.2976



Tritanopia

65.9442, 0.2658, 0.3077

Trichromacy



Original Color

65.9613, 0.2691, 0.3170

Protanomaly

65.1639, 0.2895, 0.3129

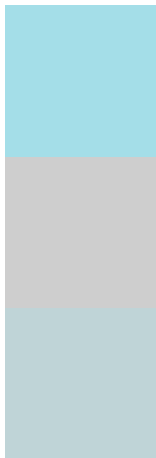
Deuteranomaly

65.3068, 0.2898, 0.3042

Tritanomaly

65.7684, 0.2674, 0.3112

Monochromacy



Original Color

65.9613, 0.2691, 0.3170

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

63.0696, 0.2956, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9613, 0.2691, 0.3170 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, 222, 232)` looks like.

```
.text, #text, p{  
    color:rgb(164, 222, 232)  
}
```

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, 222, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 222, 232) }
```

Border

The CSS property to change the border of an element to Yxy 65.9613, 0.2691, 0.3170 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, 222, 232) }
```

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

```
.border{ border-color:rgb(164, 222, 232) }
```

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

Here you see how a box with a 4 pixel rgb(164, 222, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 222, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 222, 232);  
box-shadow:4px 4px 4px 4px rgb(164, 222,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9613, 0.2691, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 222, 232) }
```

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

```
.background{ background-color: rgb(164,  
222, 232) }
```

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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