

Converting Colors

$Yxy(70.4786, 0.2645, 0.3140)$

Have a look what the booklet for
Yxy(70.4786, 0.2645, 0.3140)
contains.

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Color

Yxy(70.3419, 0.2648, 0.3138)

Conversions

Conversions Part 1

Format	Color
Hex	A4E5F2
RGB	164, 229, 242
RGB Percent	64%, 90%, 95%
CMY	0.3568, 0.1020, 0.0509
CMYK	0.32, 0.05, 0.00, 0.05
HSL	190°, 75%, 80%
HSV	190°, 32%, 95%
XYZ	59.3580, 70.3419, 94.4617
YIQ	211.0470, -42.9130, -9.7370

Conversions

Conversions Part 2

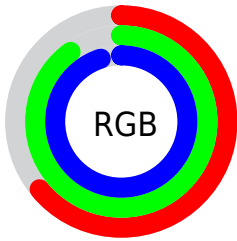
Format	Color
RYB	164, 199, 242
Decimal	10806770
CIELab	87.16, -17.29, -12.88
CIELCh	87, 21.561, 216.681
Yxy	70.3419, 0.2648, 0.3138
Android (android.graphics.Color)	4288996850 (0xFFA4E5F2)
YUV	211.0470, 15.2598, -41.2602
Hunter-Lab	83.8701, -20.4415, -8.0684

Details

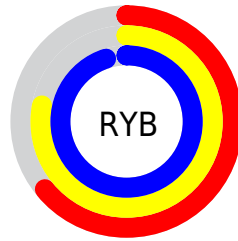
The Yxy color **70.3419, 0.2648, 0.3138** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.0110, 0.3827, 0.3435**, and the grayscale version is **65.0953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **36.6835, 0.2536, 0.3089** is the 20% darker color. If you saturate the color by 10%, you get **65.8021, 0.2518, 0.3083**, and if you desaturate by 10%, it is **75.4291, 0.2789, 0.3189**.

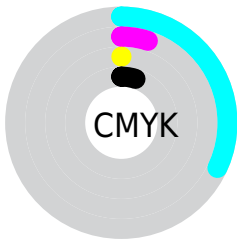
Distribution



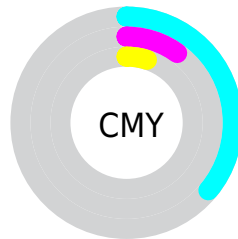
- Red (64%)
- Green (90%)
- Blue (95%)



- Red (64%)
- Yellow (78%)
- Blue (95%)



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





- Cyan (36%)
- Magenta (10%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3419, 0.2648, 0.3138 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 70.3419, 0.2648, 0.3138 by changing the saturation by 10% instead.


 70.3419, 0.2648,
0.3138

 70.3419, 0.2648,
0.3138


461.7496, 0.2867,
0.3213

 51.8053, 0.2599,
0.3120


 119.6962, 0.2724,
0.3165

 36.8499, 0.2538,
0.3097


 151.2827, 0.2753,
0.3175

 25.0913, 0.2462,
0.3067


187.9880, 0.2779,
0.3184

 16.1451, 0.2363,
0.3027

230.1964, 0.2801,
0.3191

 9.6269, 0.2231,
0.2970

278.2924, 0.2820,
0.3198

 5.1523, 0.2046,
0.2884

332.6603, 0.2838,

 2.3369, 0.1770,

0.3203

0.2741

393.6846, 0.2853,
0.3208

0.7931, 0.1060,
0.2534

0.0000, 0.0000,
0.0000

70.3419, 0.2648,
0.3138

70.3419, 0.2648,
0.3138

65.8021, 0.2518,
0.3083

75.4291, 0.2789,
0.3189

61.7732, 0.2401,
0.3026

81.0813, 0.2939,
0.3237

58.2269, 0.2301,
0.2967

87.3257, 0.3092,
0.3281

55.1285, 0.2220,
0.2906

93.0658, 0.3210,
0.3321

■ 52.4380, 0.2159,
0.2846

■ 95.5368, 0.3207,
0.3359

■ 50.1074, 0.2117,
0.2786

■ 98.0614, 0.3204,
0.3398

■ 48.4879, 0.2094,
0.2740

■ 99.1915, 0.3203,
0.3415

Harmonies

Analogous

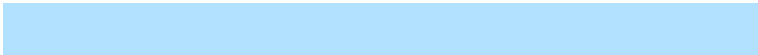
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.3419, 0.2774, 0.3384



70.3419, 0.2648, 0.3138



70.3419, 0.2644, 0.2949

Triad

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



70.3419, 0.2648, 0.3138



70.3419, 0.3247, 0.2997



70.3419, 0.3493, 0.3738

Complementary

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



70.3419, 0.2648, 0.3138



53.0110, 0.3827, 0.3435

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.



70.3419, 0.3632, 0.3610



70.3419, 0.2648, 0.3138



70.3419, 0.3488, 0.3187

Square

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



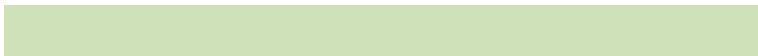
70.3419, 0.2648, 0.3138



70.3419, 0.2981, 0.2879



70.3419, 0.3631, 0.3407



70.3419, 0.3258, 0.3743

Rectangle

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



70.3419, 0.2648, 0.3138



70.3419, 0.2711, 0.2877



70.3419, 0.3631, 0.3407



70.3419, 0.3553, 0.3707

Sweetspot

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



70.3447, 0.2648, 0.3138



92.7968, 0.2972, 0.3247



74.5795, 0.3011, 0.4083



19.6574, 0.2951, 0.3241



0.0000, 0.0000, 0.0000



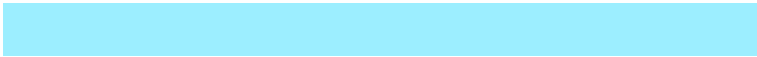
21.4041, 0.3127, 0.3290

Same Dimension

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



70.3447, 0.2648, 0.3138



75.6332, 0.2557, 0.3101



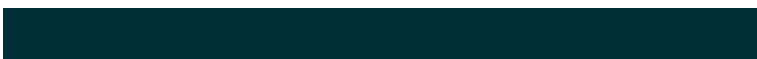
51.1355, 0.2589, 0.2661



17.4539, 0.2981, 0.3250



26.2194, 0.2097, 0.2750



2.2991, 0.2119, 0.2828

Inverse Universe

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



51.0901, 0.3272, 0.2610



51.0836, 0.3310, 0.2467



70.6771, 0.3694, 0.3846



15.9835, 0.3163, 0.3095



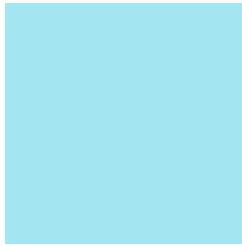
12.4402, 0.3681, 0.1802



1.0468, 0.3609, 0.1762

Previews

White Background



This preview shows how the Yxy color 70.3419, 0.2648, 0.3138 looks on a white background.

Color Contrast Check

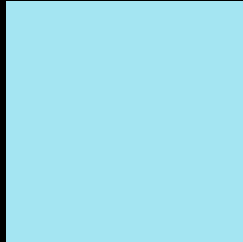
Large Text (above 18pt) WCAG AA × Fail

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 70.3419, 0.2648, 0.3138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

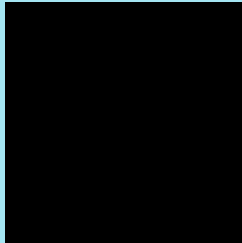
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.3419, 0.2648, 0.3138

Background



This preview shows how black text looks on a background with the Yxy color 70.3419, 0.2648, 0.3138.

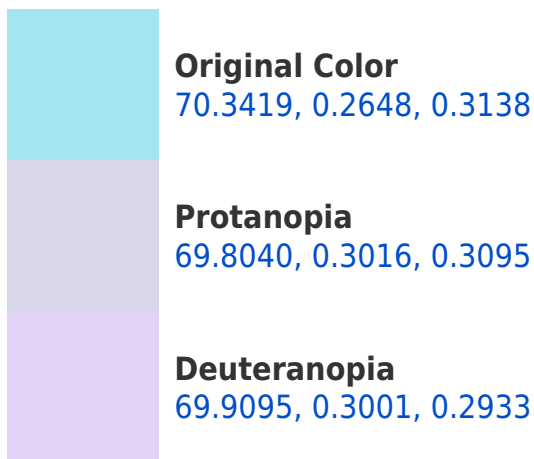


This preview shows how white text looks on a background with the Yxy color 70.3419, 0.2648, 0.3138.

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

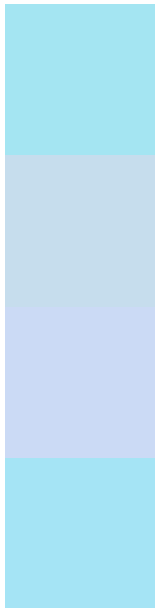




Tritanopia

70.2015, 0.2626, 0.3071

Trichromacy



Original Color

70.3419, 0.2648, 0.3138

Protanomaly

69.8331, 0.2870, 0.3111

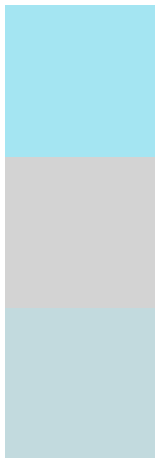
Deuteranomaly

69.4319, 0.2854, 0.2994

Tritanomaly

70.0787, 0.2637, 0.3093

Monochromacy



Original Color

70.3419, 0.2648, 0.3138

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.8861, 0.2934, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3419, 0.2648, 0.3138 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, 229, 242)` looks like.

```
.text, #text, p{  
    color:rgb(164, 229, 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, 229, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 229, 242) }
```

Border

The CSS property to change the border of an element to Yxy 70.3419, 0.2648, 0.3138 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, 229, 242) }
```

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

```
.border{ border-color:rgb(164, 229, 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, 229, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 229, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 229, 242);  
box-shadow:4px 4px 4px 4px rgb(164, 229,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3419, 0.2648, 0.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 229, 242) }
```

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

```
.background{ background-color: rgb(164,  
229, 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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