

Converting Colors

$Yxy(69.7584, 0.2674, 0.3187)$

Have a look what the booklet for
Yxy(69.7584, 0.2674, 0.3187)
contains.

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Color

Yxy(69.4937, 0.2673, 0.3184)

Conversions

Conversions Part 1

Format	Color
Hex	A4E4ED
RGB	164, 228, 237
RGB Percent	64%, 89%, 93%
CMY	0.3567, 0.1059, 0.0708
CMYK	0.31, 0.04, 0.00, 0.07
HSL	187°, 67%, 79%
HSV	187°, 31%, 93%
XYZ	58.3407, 69.4937, 90.4247
YIQ	209.8900, -41.0330, -10.7690

Conversions

Conversions Part 2

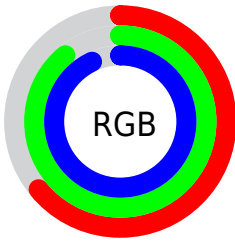
Format	Color
RYB	164, 198, 237
Decimal	10806509
CIELab	86.75, -17.95, -10.84
CIELCh	87, 20.971, 211.125
Yxy	69.4937, 0.2673, 0.3184
Android (android.graphics.Color)	4288996589 (0xFFA4E4ED)
YUV	209.8900, 13.3652, -40.2455
Hunter-Lab	83.3629, -20.9636, -5.9586

Details

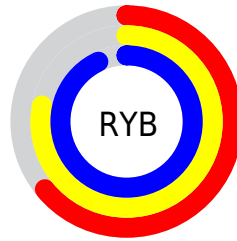
The Yxy color **69.4937, 0.2673, 0.3184** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.5671, 0.3795, 0.3393**, and the grayscale version is **64.3097, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **36.0925, 0.2565, 0.3149** is the 20% darker color. If you saturate the color by 10%, you get **65.6170, 0.2545, 0.3144**, and if you desaturate by 10%, it is **73.8726, 0.2813, 0.3221**.

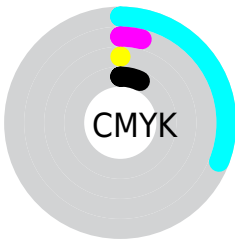
Distribution



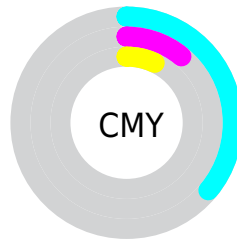
- Red (64%)
- Green (89%)
- Blue (93%)



- Red (64%)
- Yellow (78%)
- Blue (93%)



- Cyan (31%)
- Magenta (4%)
- Yellow (0%)
- Black (7%)



- Cyan (36%)
- Magenta (11%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.4937, 0.2673, 0.3184 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 69.4937, 0.2673, 0.3184 by changing the saturation by 10% instead.

69.4937, 0.2673,
0.3184

69.4937, 0.2673,
0.3184

458.7703, 0.2882,
0.3237

51.1139, 0.2626,
0.3171

118.4865, 0.2745,
0.3203

36.2992, 0.2568,
0.3154

149.8682, 0.2773,
0.3211

24.6654, 0.2494,
0.3132

186.3527, 0.2797,
0.3217

15.8279, 0.2400,
0.3102

228.3243, 0.2819,
0.3222

9.4025, 0.2272,
0.3059

276.1675, 0.2837,
0.3227

5.0046, 0.2091,
0.2992

330.2666, 0.2854,

2.2500, 0.1818,

0.3231

0.2877

391.0061, 0.2868,
0.3234

0.7470, 0.0997,
0.2740

0.0000, 0.0000,
0.0000

69.4937, 0.2673,
0.3184

69.4937, 0.2673,
0.3184

65.6170, 0.2545,
0.3144

73.8726, 0.2813,
0.3221

62.2079, 0.2431,
0.3103

78.7697, 0.2961,
0.3256

59.2403, 0.2335,
0.3060

84.2103, 0.3115,
0.3288

56.6823, 0.2257,
0.3017

89.4820, 0.3246,
0.3317

■ 54.4967, 0.2199,
0.2974

■ 91.2061, 0.3243,
0.3345

■ 52.6398, 0.2159,
0.2930

■ 92.9578, 0.3241,
0.3373

■ 51.1507, 0.2137,
0.2891

■ 94.7373, 0.3238,
0.3401

■ 96.5446, 0.3236,
0.3429

■ 98.3798, 0.3233,
0.3456

Harmonies

Analogous

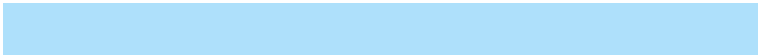
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.4937, 0.2816, 0.3427



69.4937, 0.2673, 0.3184



69.4937, 0.2647, 0.2985

Triad

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



69.4937, 0.2673, 0.3184



69.4937, 0.3195, 0.2976



69.4937, 0.3518, 0.3712

Complementary

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



69.4937, 0.2673, 0.3184



50.5671, 0.3795, 0.3393

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.



69.4937, 0.3631, 0.3570



69.4937, 0.2673, 0.3184



69.4937, 0.3441, 0.3151

Square

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



69.4937, 0.2673, 0.3184



69.4937, 0.2940, 0.2876



69.4937, 0.3603, 0.3365



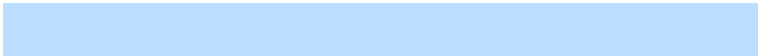
69.4937, 0.3302, 0.3742

Rectangle

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



69.4937, 0.2673, 0.3184



69.4937, 0.2697, 0.2901



69.4937, 0.3603, 0.3365



69.4937, 0.3570, 0.3675

Sweetspot

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



69.4965, 0.2673, 0.3184



94.1187, 0.2988, 0.3262



71.4403, 0.3037, 0.4086



19.9525, 0.2965, 0.3257



0.0000, 0.0000, 0.0000



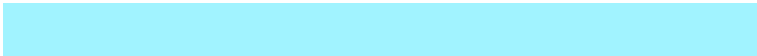
21.4041, 0.3127, 0.3290

Same Dimension

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



69.4965, 0.2673, 0.3184



79.1081, 0.2590, 0.3159



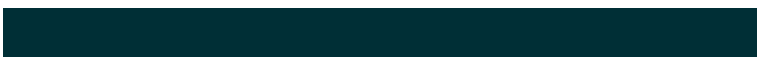
51.7066, 0.2622, 0.2741



16.7877, 0.2981, 0.3260



28.0697, 0.2138, 0.2898



2.2930, 0.2155, 0.2957

Inverse Universe

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



50.1662, 0.3237, 0.2611



53.1235, 0.3264, 0.2471



66.2837, 0.3676, 0.3782



15.2801, 0.3157, 0.3086



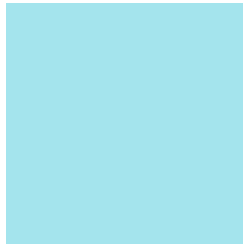
12.3265, 0.3545, 0.1726



0.9769, 0.3492, 0.1697

Previews

White Background



This preview shows how the Yxy color 69.4937, 0.2673, 0.3184 looks on a white background.

Color Contrast Check

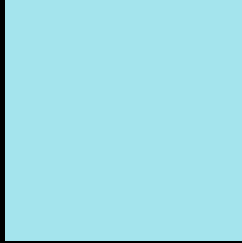
Large Text (above 18pt) WCAG AA × Fail

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 69.4937, 0.2673, 0.3184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

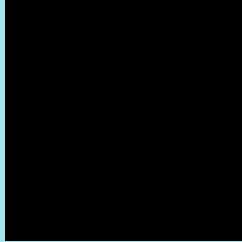
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.4937, 0.2673, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 69.4937, 0.2673, 0.3184.

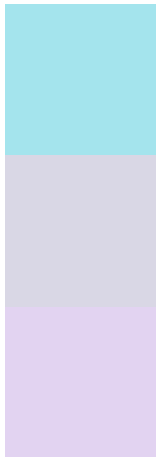


This preview shows how white text looks on a background with the Yxy color 69.4937, 0.2673, 0.3184.

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

69.4937, 0.2673, 0.3184

Protanopia

69.0097, 0.3048, 0.3137

Deuteranopia

69.1082, 0.3034, 0.2973



Tritanopia

69.6377, 0.2641, 0.3081

Trichromacy



Original Color

69.4937, 0.2673, 0.3184

Protanomaly

69.0184, 0.2900, 0.3155

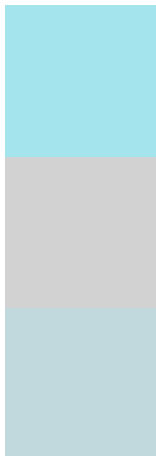
Deuteranomaly

68.6135, 0.2883, 0.3036

Tritanomaly

69.3483, 0.2651, 0.3115

Monochromacy



Original Color

69.4937, 0.2673, 0.3184

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

66.1305, 0.2939, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.4937, 0.2673, 0.3184 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, 228, 237)` looks like.

```
.text, #text, p{  
    color:rgb(164, 228, 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(164, 228, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 228, 237) }
```

Border

The CSS property to change the border of an element to Yxy 69.4937, 0.2673, 0.3184 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, 228, 237) }
```

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

```
.border{ border-color:rgb(164, 228, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 228, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 228, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 228, 237);  
box-shadow:4px 4px 4px 4px rgb(164, 228,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 69.4937, 0.2673, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 228, 237) }
```

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

```
.background{ background-color: rgb(164,  
228, 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](#).

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