

Converting Colors

$Yxy(69.5704, 0.2686, 0.3210)$

Have a look what the booklet for
Yxy(69.5704, 0.2686, 0.3210)
contains.

Yxy(69.3775, 0.2683, 0.3207)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.3775, 0.2683, 0.3207)

Conversions

Conversions Part 1

Format	Color
Hex	A4E4EB
RGB	164, 228, 235
RGB Percent	64%, 89%, 92%
CMY	0.3570, 0.1058, 0.0785
CMYK	0.30, 0.03, 0.00, 0.08
HSL	186°, 64%, 78%
HSV	186°, 30%, 92%
XYZ	58.0417, 69.3775, 88.9122
YIQ	209.6620, -40.3910, -11.3910

Conversions

Conversions Part 2

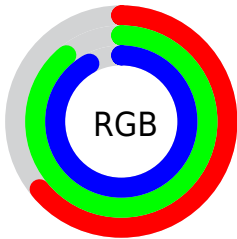
Format	Color
RYB	164, 198, 235
Decimal	10806507
CIELab	86.69, -18.43, -9.88
CIELCh	87, 20.915, 208.204
Yxy	69.3775, 0.2683, 0.3207
Android (android.graphics.Color)	4288996587 (0xFFA4E4EB)
YUV	209.6620, 12.4916, -40.0456
Hunter-Lab	83.2932, -21.3777, -4.9846

Details

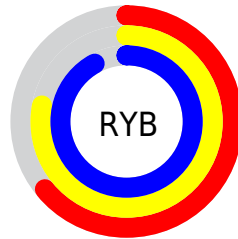
The Yxy color **69.3775, 0.2683, 0.3207** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.4419, 0.3784, 0.3371**, and the grayscale version is **64.1497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **36.0109, 0.2578, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **65.8472, 0.2556, 0.3176**, and if you desaturate by 10%, it is **73.3921, 0.2822, 0.3237**.

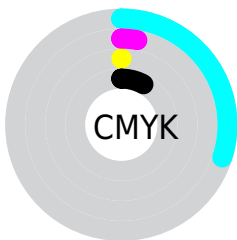
Distribution



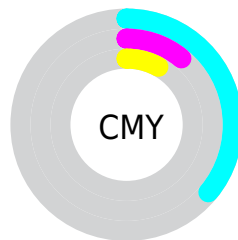
- Red (64%)
- Green (89%)
- Blue (92%)



- Red (64%)
- Yellow (78%)
- Blue (92%)



- Cyan (30%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)





- Cyan (36%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.3775, 0.2683, 0.3207 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 69.3775, 0.2683, 0.3207 by changing the saturation by 10% instead.

 69.3775, 0.2683,
0.3207

 69.3775, 0.2683,
0.3207


458.3613, 0.2887,
0.3249

 51.0192, 0.2637,
0.3196


 118.3206, 0.2754,
0.3222

 36.2239, 0.2580,
0.3183


 149.6742, 0.2781,
0.3228

 24.6072, 0.2508,
0.3165

186.1283, 0.2805,
0.3233

 15.7846, 0.2415,
0.3140

228.0674, 0.2826,
0.3237

 9.3719, 0.2289,
0.3104

275.8759, 0.2844,
0.3241

 4.9845, 0.2110,
0.3047

329.9381, 0.2860,

 2.2382, 0.1840,

0.3244

0.2948

390.6384, 0.2874,
0.3247

0.7407, 0.0978,
0.2852

0.0000, 0.0000,
0.0000

69.3775, 0.2683,
0.3207

69.3775, 0.2683,
0.3207

65.8472, 0.2556,
0.3176

73.3921, 0.2822,
0.3237

62.7673, 0.2445,
0.3143

77.9063, 0.2970,
0.3264

60.1126, 0.2350,
0.3109

82.9448, 0.3124,
0.3289

57.8518, 0.2275,
0.3075

87.9612, 0.3261,
0.3313

■ 55.9493, 0.2219,
0.3041

■ 89.3067, 0.3258,
0.3335

■ 54.3625, 0.2181,
0.3007

■ 90.6694, 0.3256,
0.3357

■ 53.0454, 0.2160,
0.2974

■ 92.0494, 0.3254,
0.3380

■ 93.4468, 0.3252,
0.3402

■ 94.8616, 0.3250,
0.3424

Harmonies

Analogous

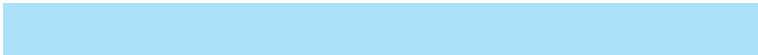
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.3775, 0.2836, 0.3450



69.3775, 0.2683, 0.3207



69.3775, 0.2645, 0.3001

Triad

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



69.3775, 0.2683, 0.3207



69.3775, 0.3170, 0.2963



69.3775, 0.3534, 0.3702

Complementary

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



69.3775, 0.2683, 0.3207



49.4419, 0.3784, 0.3371

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.



69.3775, 0.3634, 0.3551



69.3775, 0.2683, 0.3207



69.3775, 0.3419, 0.3132

Square

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



69.3775, 0.2683, 0.3207



69.3775, 0.2917, 0.2873



69.3775, 0.3592, 0.3344



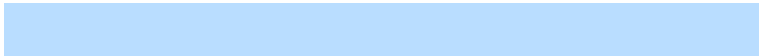
69.3775, 0.3325, 0.3744

Rectangle

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



69.3775, 0.2683, 0.3207



69.3775, 0.2688, 0.2911



69.3775, 0.3592, 0.3344



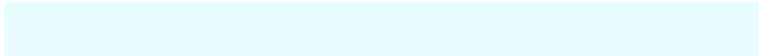
69.3775, 0.3582, 0.3661

Sweetspot

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



69.3803, 0.2683, 0.3207



94.4758, 0.2988, 0.3267



70.1927, 0.3052, 0.4100



20.0411, 0.2966, 0.3263



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.



69.3803, 0.2683, 0.3207



80.9347, 0.2606, 0.3189



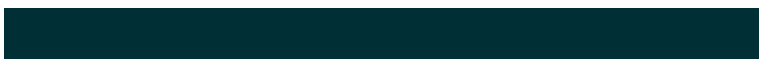
52.2748, 0.2635, 0.2783



16.8545, 0.2981, 0.3266



29.6341, 0.2161, 0.2980



2.4003, 0.2174, 0.3026

Inverse Universe

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



49.8027, 0.3220, 0.2606



54.1788, 0.3241, 0.2473



64.1894, 0.3672, 0.3748



15.2868, 0.3153, 0.3080



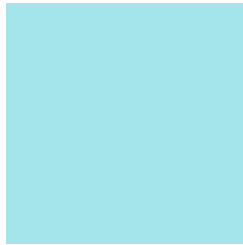
12.4844, 0.3472, 0.1686



0.9877, 0.3431, 0.1664

Previews

White Background



This preview shows how the Yxy color 69.3775, 0.2683, 0.3207 looks on a white background.

Color Contrast Check

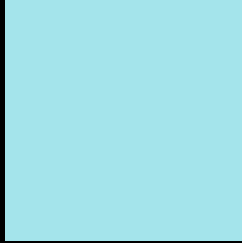
Large Text (above 18pt) WCAG AA × Fail

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 69.3775, 0.2683, 0.3207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

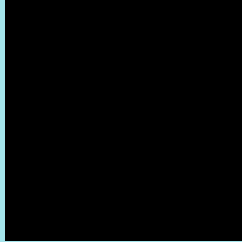
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.3775, 0.2683, 0.3207

Background



This preview shows how black text looks on a background with the Yxy color 69.3775, 0.2683, 0.3207.



This preview shows how white text looks on a background with the Yxy color 69.3775, 0.2683, 0.3207.

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

69.3775, 0.2683, 0.3207

Protanopia

68.8986, 0.3061, 0.3159

Deuteranopia

68.6561, 0.3055, 0.2983



Tritanopia

69.0923, 0.2639, 0.3070

Trichromacy



Original Color

69.3775, 0.2683, 0.3207

Protanomaly

68.9053, 0.2912, 0.3177

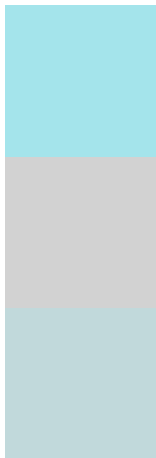
Deuteranomaly

68.6361, 0.2902, 0.3057

Tritanomaly

69.2884, 0.2656, 0.3126

Monochromacy



Original Color

69.3775, 0.2683, 0.3207

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

66.0776, 0.2946, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.3775, 0.2683, 0.3207 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(164, 228, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 228, 235) }
```

Border

The CSS property to change the border of an element to Yxy 69.3775, 0.2683, 0.3207 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, 235) }
```

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

```
.border{ border-color:rgb(164, 228, 235) }
```

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, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 228, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 228, 235);  
box-shadow:4px 4px 4px 4px rgb(164, 228,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 69.3775, 0.2683, 0.3207 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, 235) }
```

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

```
.background{ background-color: rgb(164,  
228, 235) }
```

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