

Converting Colors

$Yxy(69.6273, 0.2685, 0.3140)$

Have a look what the booklet for
Yxy(69.6273, 0.2685, 0.3140)
contains.

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Color

Yxy(69.6645, 0.2683, 0.3138)

Conversions

Conversions Part 1

Format	Color
Hex	A9E3F0
RGB	169, 227, 240
RGB Percent	66%, 89%, 94%
CMY	0.3373, 0.1098, 0.0587
CMYK	0.30, 0.05, 0.00, 0.06
HSL	191°, 70%, 80%
HSV	191°, 30%, 94%
XYZ	59.5634, 69.6645, 92.7750
YIQ	211.1400, -38.7410, -8.2530

Conversions

Conversions Part 2

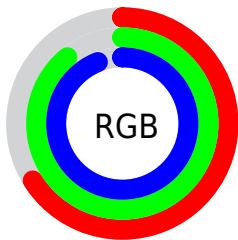
Format	Color
R_{YB}	169, 201, 240
Decimal	11133936
CIE _{Lab}	86.83, -15.37, -12.31
CIE _{LCh}	87, 19.689, 218.698
Yxy	69.6645, 0.2683, 0.3138
Android (android.graphics.Color)	4289324016 (0xFFA9E3F0)
YUV	211.1400, 14.2280, -36.9568
Hunter-Lab	83.4653, -18.6811, -7.4775

Details

The Yxy color **69.6645, 0.2683, 0.3138** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.8682, 0.3748, 0.3436**, and the grayscale version is **65.1647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **36.5431, 0.2578, 0.3105** is the 20% darker color. If you saturate the color by 10%, you get **64.8723, 0.2548, 0.3079**, and if you desaturate by 10%, it is **75.0112, 0.2828, 0.3194**.

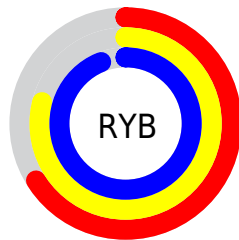
Distribution



Red (66%)

Green (89%)

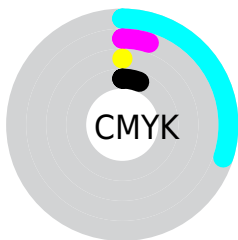
Blue (94%)



Red (66%)

Yellow (79%)

Blue (94%)

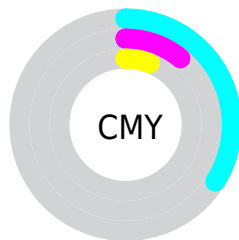


Cyan (30%)

Magenta (5%)

Yellow (0%)

Black (6%)



Cyan (34%)


Magenta (11%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6645, 0.2683, 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 69.6645, 0.2683, 0.3138 by changing the saturation by 10% instead.


 69.6645, 0.2683,
0.3138

 69.6645, 0.2683,
0.3138


459.3711, 0.2887,
0.3212

 51.2531, 0.2637,
0.3120


 118.7302, 0.2753,
0.3165

 36.4100, 0.2580,
0.3098

150.1532, 0.2781,
0.3175

 24.7511, 0.2509,
0.3068


186.6823, 0.2805,
0.3183

 15.8917, 0.2416,
0.3029

228.7017, 0.2825,
0.3191

 9.4475, 0.2292,
0.2973

276.5959, 0.2844,
0.3197

 5.0342, 0.2116,
0.2889

330.7493, 0.2860,

 2.2674, 0.1851,

0.3203

0.2749

391.5462, 0.2874,
0.3208

0.7564, 0.1154,
0.2540

0.0000, 0.0000,
0.0000

69.6645, 0.2683,
0.3138

69.6645, 0.2683,
0.3138

64.8723, 0.2548,
0.3079

75.0112, 0.2828,
0.3194

60.5992, 0.2426,
0.3016

80.9293, 0.2979,
0.3245

56.8182, 0.2319,
0.2951

87.4449, 0.3133,
0.3292

53.4963, 0.2231,
0.2884

92.6309, 0.3222,
0.3335

■ 50.5957, 0.2162,
0.2817

■ 95.3230, 0.3219,
0.3377

■ 48.0718, 0.2112,
0.2750

■ 98.0790, 0.3215,
0.3419

■ 45.8527, 0.2080,
0.2684

■ 99.0736, 0.3214,
0.3434

■ 45.7659, 0.2078,
0.2682

Harmonies

Analogous

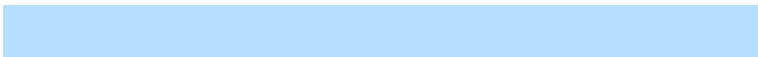
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.6645, 0.2792, 0.3361



69.6645, 0.2683, 0.3138



69.6645, 0.2687, 0.2969

Triad

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



69.6645, 0.2683, 0.3138



69.6645, 0.3253, 0.3031



69.6645, 0.3450, 0.3704

Complementary

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



69.6645, 0.2683, 0.3138



54.8682, 0.3748, 0.3436

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.



69.6645, 0.3585, 0.3595



69.6645, 0.2683, 0.3138



69.6645, 0.3470, 0.3209

Square

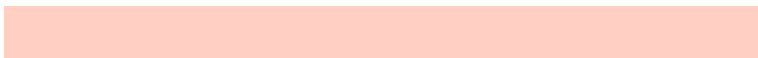
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.6645, 0.2683, 0.3138



69.6645, 0.3009, 0.2916



69.6645, 0.3593, 0.3413



69.6645, 0.3231, 0.3700

Rectangle

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



69.6645, 0.2683, 0.3138



69.6645, 0.2754, 0.2906



69.6645, 0.3593, 0.3413



69.6645, 0.3507, 0.3679

Sweetspot

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



69.6673, 0.2683, 0.3138



93.2460, 0.2988, 0.3248



74.1568, 0.3013, 0.3992



19.7361, 0.2965, 0.3241



0.0000, 0.0000, 0.0000



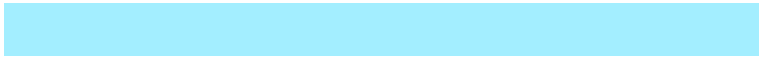
21.4041, 0.3127, 0.3290

Same Dimension

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



69.6673, 0.2683, 0.3138



76.2648, 0.2594, 0.3100



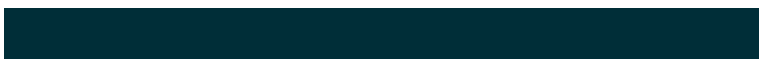
52.2066, 0.2635, 0.2706



17.4068, 0.2981, 0.3246



25.2255, 0.2081, 0.2692



2.2252, 0.2106, 0.2780

Inverse Universe

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



52.4540, 0.3267, 0.2678



53.7074, 0.3306, 0.2543



71.3031, 0.3638, 0.3811



15.9787, 0.3166, 0.3099



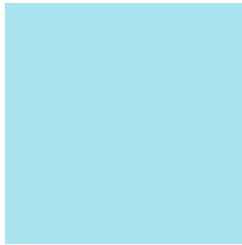
12.3399, 0.3736, 0.1831



1.0393, 0.3654, 0.1786

Previews

White Background



This preview shows how the Yxy color 69.6645, 0.2683, 0.3138 looks on a white background.

Color Contrast Check

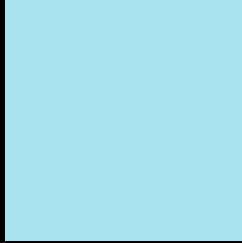
Large Text (above 18pt) WCAG AA × Fail

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 69.6645, 0.2683, 0.3138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

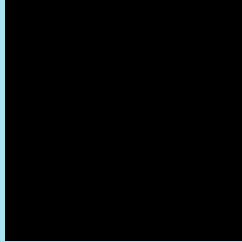
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.6645, 0.2683, 0.3138

Background



This preview shows how black text looks on a background with the Yxy color 69.6645, 0.2683, 0.3138.

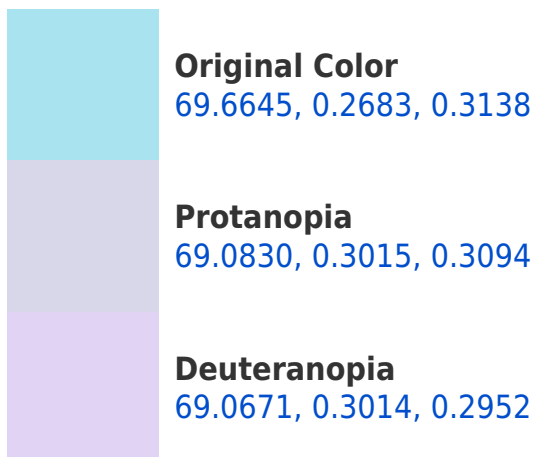


This preview shows how white text looks on a background with the Yxy color 69.6645, 0.2683, 0.3138.

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

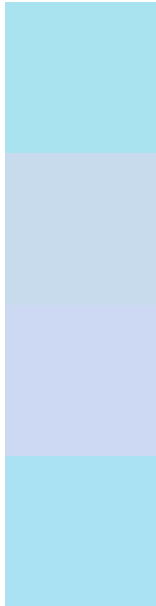




Tritanopia

69.4704, 0.2666, 0.3082

Trichromacy



Original Color

69.6645, 0.2683, 0.3138

Protanomaly

68.8613, 0.2882, 0.3100

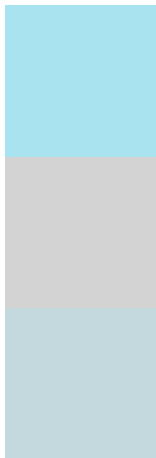
Deuteranomaly

69.0156, 0.2884, 0.3015

Tritanomaly

69.4098, 0.2672, 0.3093

Monochromacy



Original Color

69.6645, 0.2683, 0.3138

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.6354, 0.2947, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6645, 0.2683, 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(169, 227, 240)` looks like.

```
.text, #text, p{  
    color:rgb(169, 227, 240)  
}
```

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(169, 227, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 227, 240) }
```

Border

The CSS property to change the border of an element to Yxy 69.6645, 0.2683, 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(169, 227, 240) }
```

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

```
.border{ border-color:rgb(169, 227, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 227, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 227, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 227, 240); box-shadow:4px 4px 4px 4px rgb(169, 227, 240) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6645, 0.2683, 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(169, 227, 240) }
```

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

```
.background{ background-color: rgb(169,  
227, 240) }
```

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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