

Converting Colors

$Yxy(69.7548, 0.2664, 0.3130)$

Have a look what the booklet for
Yxy(69.7548, 0.2664, 0.3130)
contains.

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Color

Yxy(70.0532, 0.2668, 0.3138)

Conversions

Conversions Part 1

Format	Color
Hex	A7E4F1
RGB	167, 228, 241
RGB Percent	65%, 89%, 95%
CMY	0.3451, 0.1059, 0.0548
CMYK	0.31, 0.05, 0.00, 0.05
HSL	191°, 73%, 80%
HSV	191°, 31%, 95%
XYZ	59.5608, 70.0532, 93.6275
YIQ	211.2430, -40.5290, -8.8890

Conversions

Conversions Part 2

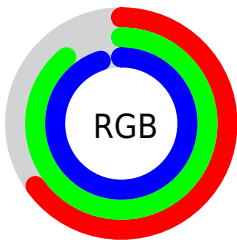
Format	Color
R_{YB}	167, 200, 241
Decimal	11003121
CIE _{Lab}	87.02, -16.20, -12.56
CIE _{LCh}	87, 20.495, 217.794
Yxy	70.0532, 0.2668, 0.3138
Android (android.graphics.Color)	4289193201 (0xFFA7E4F1)
YUV	211.2430, 14.6702, -38.8011
Hunter-Lab	83.6978, -19.4473, -7.7356

Details

The Yxy color **70.0532, 0.2668, 0.3138** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.1544, 0.3781, 0.3436**, and the grayscale version is **65.2345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **36.8347, 0.2561, 0.3105** is the 20% darker color. If you saturate the color by 10%, you get **65.3645, 0.2535, 0.3081**, and if you desaturate by 10%, it is **75.2940, 0.2811, 0.3192**.

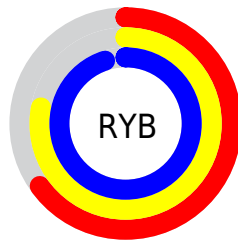
Distribution



Red (65%)

Green (89%)

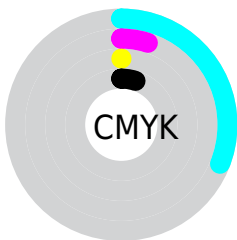
Blue (95%)



Red (65%)

Yellow (78%)

Blue (95%)

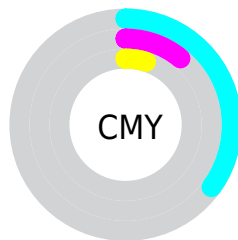


Cyan (31%)

Magenta (5%)

Yellow (0%)

Black (5%)



Cyan (35%)


Magenta (11%)


Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.0532, 0.2668, 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 70.0532, 0.2668, 0.3138 by changing the saturation by 10% instead.

 70.0532, 0.2668,
0.3138


 70.0532, 0.2668,
0.3138


460.7368, 0.2879,
0.3212

 51.5699, 0.2620,
0.3120


 119.2846, 0.2741,
0.3165

 36.6624, 0.2562,
0.3097


 150.8015, 0.2769,
0.3175

 24.9462, 0.2489,
0.3068


187.4318, 0.2793,
0.3183

 16.0370, 0.2394,
0.3028


229.5598, 0.2815,
0.3191

 9.5503, 0.2266,
0.2972

277.5698, 0.2834,
0.3197

 5.1018, 0.2086,
0.2887

331.8464, 0.2850,

 2.3071, 0.1817,

0.3203

0.2746

392.7740, 0.2865,
0.3208

0.7775, 0.1122,
0.2538

0.0000, 0.0000,
0.0000

70.0532, 0.2668,
0.3138

70.0532, 0.2668,
0.3138

65.3645, 0.2535,
0.3081

75.2940, 0.2811,
0.3192

61.1919, 0.2415,
0.3020

81.1041, 0.2962,
0.3242

57.5079, 0.2311,
0.2958

87.5101, 0.3116,
0.3287

54.2787, 0.2226,
0.2894

92.9028, 0.3216,
0.3328

■ 51.4656, 0.2160,
0.2830

■ 95.4997, 0.3213,
0.3369

■ 49.0224, 0.2114,
0.2766

■ 98.1559, 0.3210,
0.3410

■ 47.0153, 0.2086,
0.2708

■ 99.1329, 0.3208,
0.3424

Harmonies

Analogous

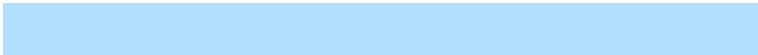
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.0532, 0.2784, 0.3371



70.0532, 0.2668, 0.3138



70.0532, 0.2669, 0.2960

Triad

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



70.0532, 0.2668, 0.3138



70.0532, 0.3250, 0.3016



70.0532, 0.3468, 0.3719

Complementary

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



70.0532, 0.2668, 0.3138



54.1544, 0.3781, 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.



70.0532, 0.3605, 0.3601



70.0532, 0.2668, 0.3138



70.0532, 0.3478, 0.3200

Square

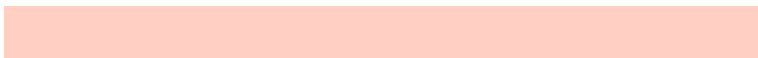
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.0532, 0.2668, 0.3138



70.0532, 0.2997, 0.2900



70.0532, 0.3609, 0.3411



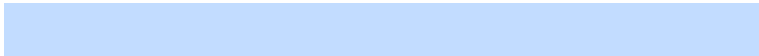
70.0532, 0.3243, 0.3718

Rectangle

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



70.0532, 0.2668, 0.3138



70.0532, 0.2736, 0.2894



70.0532, 0.3609, 0.3411



70.0532, 0.3527, 0.3691

Sweetspot

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



70.0560, 0.2668, 0.3138



93.3532, 0.2988, 0.3249



74.4155, 0.3016, 0.4039



19.7627, 0.2965, 0.3243



0.0000, 0.0000, 0.0000



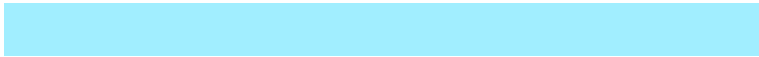
21.4041, 0.3127, 0.3290

Same Dimension

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



70.0560, 0.2668, 0.3138



76.1365, 0.2581, 0.3102



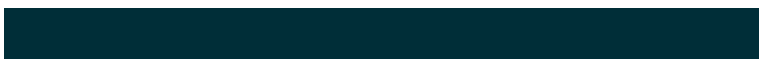
52.1277, 0.2617, 0.2696



17.4278, 0.2981, 0.3247



25.6660, 0.2088, 0.2718



2.2580, 0.2112, 0.2801

Inverse Universe

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



51.9469, 0.3269, 0.2649



52.8235, 0.3306, 0.2516



70.7921, 0.3664, 0.3819



15.9809, 0.3165, 0.3098



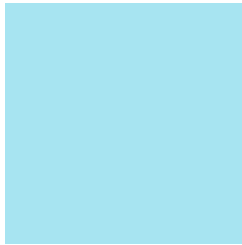
12.3844, 0.3711, 0.1818



1.0427, 0.3633, 0.1775

Previews

White Background



This preview shows how the Yxy color 70.0532, 0.2668, 0.3138 looks on a white background.

Color Contrast Check

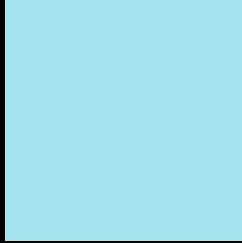
Large Text (above 18pt) WCAG AA × Fail

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 70.0532, 0.2668, 0.3138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

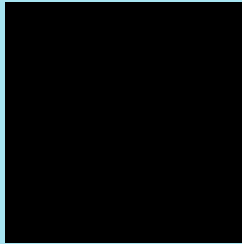
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.0532, 0.2668, 0.3138

Background



This preview shows how black text looks on a background with the Yxy color 70.0532, 0.2668, 0.3138.

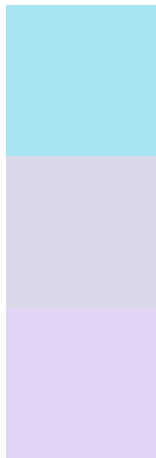


This preview shows how white text looks on a background with the Yxy color 70.0532, 0.2668, 0.3138.

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



Original Color

70.0532, 0.2668, 0.3138

Protanopia

69.5939, 0.3015, 0.3105

Deuteranopia

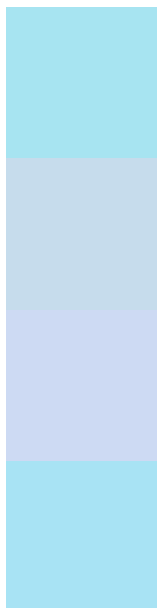
69.7874, 0.3014, 0.2953



Tritanopia

69.9168, 0.2646, 0.3071

Trichromacy



Original Color

70.0532, 0.2668, 0.3138

Protanomaly

69.2483, 0.2876, 0.3111

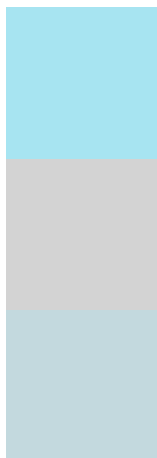
Deuteranomaly

69.5930, 0.2879, 0.3016

Tritanomaly

69.7947, 0.2657, 0.3093

Monochromacy



Original Color

70.0532, 0.2668, 0.3138

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.5017, 0.2940, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0532, 0.2668, 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(167, 228, 241)` looks like.

```
.text, #text, p{  
    color:rgb(167, 228, 241)  
}
```

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(167, 228, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 228, 241) }
```

Border

The CSS property to change the border of an element to Yxy 70.0532, 0.2668, 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(167, 228, 241) }
```

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

```
.border{ border-color:rgb(167, 228, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 228, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 228, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 228, 241);  
box-shadow:4px 4px 4px 4px rgb(167, 228,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0532, 0.2668, 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(167, 228, 241) }
```

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

```
.background{ background-color: rgb(167,  
228, 241) }
```

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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