

Converting Colors

$Yxy(70.2886, 0.2713, 0.3191)$

Have a look what the booklet for
Yxy(70.2886, 0.2713, 0.3191)
contains.

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Color

Yxy(70.2592, 0.2712, 0.3185)

Conversions

Conversions Part 1

Format	Color
Hex	ABE4ED
RGB	171, 228, 237
RGB Percent	67%, 89%, 93%
CMY	0.3293, 0.1059, 0.0707
CMYK	0.28, 0.04, 0.00, 0.07
HSL	188°, 65%, 80%
HSV	188°, 28%, 93%
XYZ	59.8251, 70.2592, 90.5097
YIQ	211.9830, -36.8610, -9.2850

Conversions

Conversions Part 2

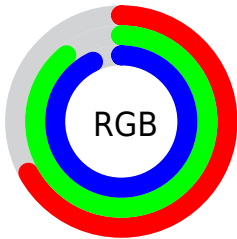
Format	Color
R_{YB}	171, 202, 237
Decimal	11265261
CIE _{Lab}	87.12, -16.00, -10.25
CIE _{LCh}	87, 19.001, 212.650
Yxy	70.2592, 0.2712, 0.3185
Android (android.graphics.Color)	4289455341 (0xFFABE4ED)
YUV	211.9830, 12.3334, -35.9421
Hunter-Lab	83.8208, -19.2861, -5.3469

Details

The Yxy color `70.2592, 0.2712, 0.3185` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `53.5851, 0.3709, 0.3392`, and the grayscale version is `65.7654, 0.3127, 0.3290`.

A 20% lighter version of the original color is `95.2340, 0.2964, 0.3290`, and `37.0052, 0.2620, 0.3166` is the 20% darker color. If you saturate the color by 10%, you get `66.0767, 0.2579, 0.3142`, and if you desaturate by 10%, it is `74.9575, 0.2855, 0.3226`.

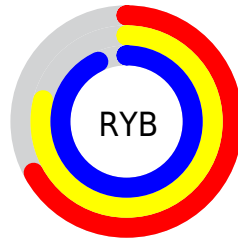
Distribution



Red (67%)

Green (89%)

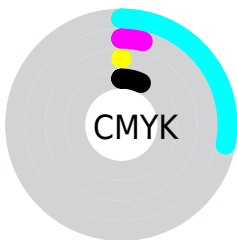
Blue (93%)



Red (67%)

Yellow (79%)

Blue (93%)

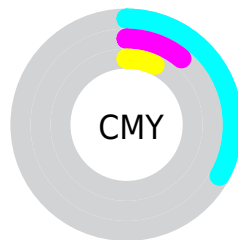


Cyan (28%)

Magenta (4%)

Yellow (0%)

Black (7%)



Cyan (33%)

Magenta (11%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2592, 0.2712, 0.3185 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 70.2592, 0.2712, 0.3185 by changing the saturation by 10% instead.

70.2592, 0.2712,
0.3185

70.2592, 0.2712,
0.3185

461.4596, 0.2903,
0.3237

51.7379, 0.2669,
0.3172

119.5783, 0.2778,
0.3204

36.7962, 0.2616,
0.3156

151.1449, 0.2804,
0.3211

25.0497, 0.2549,
0.3135

187.8287, 0.2826,
0.3217

16.1141, 0.2462,
0.3107

230.0141, 0.2845,
0.3222

9.6049, 0.2345,
0.3066

278.0855, 0.2862,
0.3226

5.1378, 0.2179,
0.3003

332.4273, 0.2877,

2.3283, 0.1928,

0.3230

0.2897

393.4238, 0.2891,
0.3234

0.7887, 0.1255,
0.2756

0.0000, 0.0000,
0.0000

70.2592, 0.2712,
0.3185

70.2592, 0.2712,
0.3185

66.0767, 0.2579,
0.3142

74.9575, 0.2855,
0.3226

62.3760, 0.2459,
0.3096

80.1869, 0.3006,
0.3263

59.1316, 0.2356,
0.3049

85.9724, 0.3161,
0.3297

56.3126, 0.2271,
0.3001

90.2251, 0.3245,
0.3329

■ 53.8836, 0.2205,
0.2952

■ 92.1502, 0.3242,
0.3360

■ 51.8030, 0.2158,
0.2904

■ 94.1092, 0.3239,
0.3391

■ 50.0143, 0.2129,
0.2857

■ 96.1024, 0.3236,
0.3422

■ 49.6460, 0.2124,
0.2846

■ 98.1299, 0.3233,
0.3452

■ 98.8930, 0.3232,
0.3464

Harmonies

Analogous

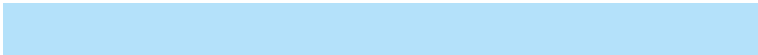
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.2592, 0.2837, 0.3403



70.2592, 0.2712, 0.3185



70.2592, 0.2694, 0.3008

Triad

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



70.2592, 0.2712, 0.3185



70.2592, 0.3201, 0.3012



70.2592, 0.3473, 0.3675

Complementary

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



70.2592, 0.2712, 0.3185



53.5851, 0.3709, 0.3392

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.



70.2592, 0.3580, 0.3553



70.2592, 0.2712, 0.3185



70.2592, 0.3420, 0.3174

Square

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



70.2592, 0.2712, 0.3185



70.2592, 0.2969, 0.2917



70.2592, 0.3561, 0.3369



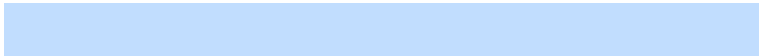
70.2592, 0.3274, 0.3694

Rectangle

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



70.2592, 0.2712, 0.3185



70.2592, 0.2743, 0.2934



70.2592, 0.3561, 0.3369



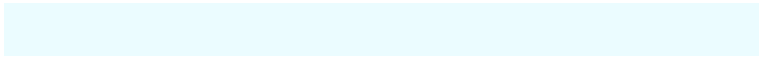
70.2592, 0.3521, 0.3644

Sweetspot

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



70.2620, 0.2712, 0.3185



94.5757, 0.3003, 0.3262



72.5037, 0.3039, 0.3984



20.0350, 0.2980, 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.



70.2620, 0.2712, 0.3185



80.2913, 0.2640, 0.3162



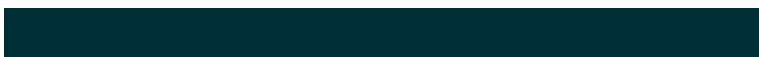
53.8979, 0.2671, 0.2788



16.7519, 0.2981, 0.3257



27.2540, 0.2126, 0.2854



2.2367, 0.2145, 0.2920

Inverse Universe

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



52.7383, 0.3232, 0.2684



56.8335, 0.3256, 0.2568



68.4273, 0.3613, 0.3745



15.2765, 0.3159, 0.3089



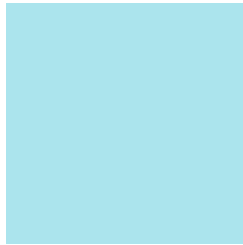
12.2441, 0.3585, 0.1749



0.9712, 0.3525, 0.1716

Previews

White Background



This preview shows how the Yxy color 70.2592, 0.2712, 0.3185 looks on a white background.

Color Contrast Check

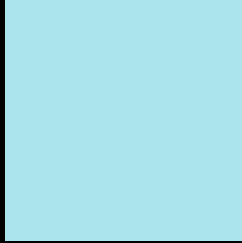
Large Text (above 18pt) WCAG AA × Fail

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 70.2592, 0.2712, 0.3185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

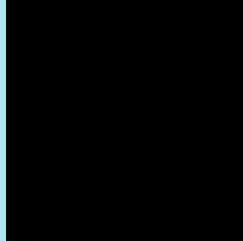
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.2592, 0.2712, 0.3185

Background



This preview shows how black text looks on a background with the Yxy color 70.2592, 0.2712, 0.3185.

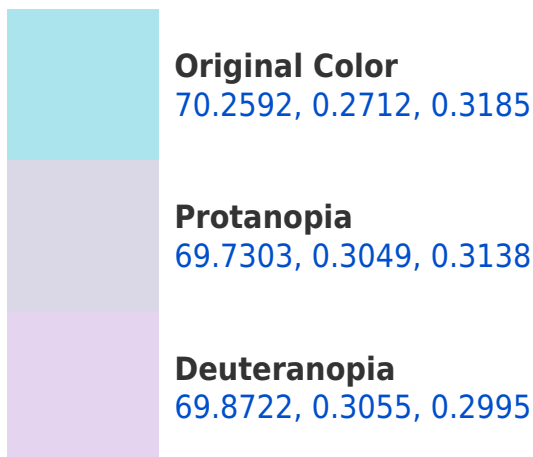


This preview shows how white text looks on a background with the Yxy color 70.2592, 0.2712, 0.3185.

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

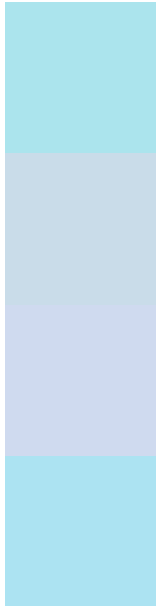




Tritanopia

70.4150, 0.2679, 0.3084

Trichromacy



Original Color

70.2592, 0.2712, 0.3185

Protanomaly

69.4871, 0.2914, 0.3144

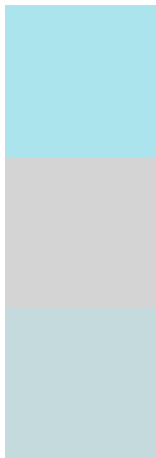
Deuteranomaly

69.6402, 0.2916, 0.3059

Tritanomaly

70.1196, 0.2690, 0.3117

Monochromacy



Original Color

70.2592, 0.2712, 0.3185

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.2336, 0.2961, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2592, 0.2712, 0.3185 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(171, 228, 237)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 228, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 228, 237) }
```

Border

The CSS property to change the border of an element to Yxy 70.2592, 0.2712, 0.3185 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(171, 228, 237) }
```

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

```
.border{ border-color:rgb(171, 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(171, 228, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 228, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 228, 237);  
box-shadow:4px 4px 4px 4px rgb(171, 228,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2592, 0.2712, 0.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 228, 237) }
```

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

```
.background{ background-color: rgb(171,  
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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