

Converting Colors

$Yxy(70.3061, 0.2718, 0.3289)$

Have a look what the booklet for
Yxy(70.3061, 0.2718, 0.3289)
contains.

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Color

Yxy(70.3061, 0.2718, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	A5E6E6
RGB	165, 230, 230
RGB Percent	65%, 90%, 90%
CMY	0.3528, 0.0980, 0.0981
CMYK	0.28, 0.00, 0.00, 0.10
HSL	180°, 57%, 77%
HSV	180°, 28%, 90%
XYZ	58.1003, 70.3061, 85.3549
YIQ	210.5650, -38.7400, -13.7800

Conversions

Conversions Part 2

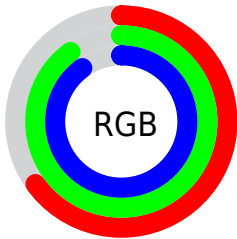
Format	Color
RYB	165, 198, 230
Decimal	10872550
CIELab	87.15, -20.26, -6.57
CIELCh	87, 21.295, 197.974
Yxy	70.3061, 0.2718, 0.3289
Android (android.graphics.Color)	4289062630 (0xFFA5E6E6)
YUV	210.5650, 9.5815, -39.9605
Hunter-Lab	83.8487, -23.0494, -1.6609

Details

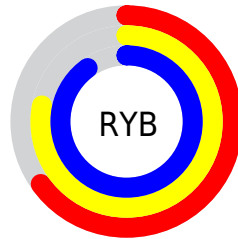
The Yxy color **70.3061, 0.2718, 0.3289** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.4671, 0.3747, 0.3292**, and the grayscale version is **64.8005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **36.7468, 0.2621, 0.3273** is the 20% darker color. If you saturate the color by 10%, you get **68.0592, 0.2597, 0.3289**, and if you desaturate by 10%, it is **73.0022, 0.2853, 0.3289**.

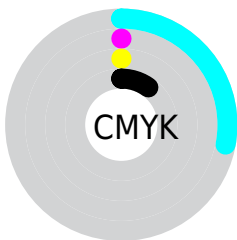
Distribution



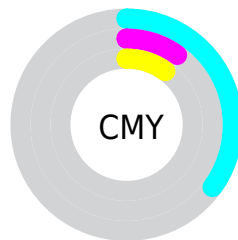
- Red (65%)
- Green (90%)
- Blue (90%)



- Red (65%)
- Yellow (78%)
- Blue (90%)



- Cyan (28%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)





- Cyan (35%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3061, 0.2718, 0.3289 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 70.3061, 0.2718, 0.3289 by changing the saturation by 10% instead.

 70.3061, 0.2718,
0.3289


 70.3061, 0.2718,
0.3289


461.6240, 0.2906,
0.3292

 51.7761, 0.2675,
0.3288


 119.6452, 0.2783,
0.3291

 36.8267, 0.2623,
0.3285


 151.2231, 0.2809,
0.3291

 25.0733, 0.2556,
0.3282


187.9190, 0.2830,
0.3292

 16.1317, 0.2470,
0.3277

230.1175, 0.2850,
0.3292

 9.6174, 0.2353,
0.3268

278.2028, 0.2866,
0.3292

 5.1460, 0.2186,
0.3251

332.5594, 0.2881,

 2.3332, 0.1932,

0.3292

393.5717, 0.2894,
0.3292

0.3215

0.7912, 0.1066,
0.3276

0.0000, 0.0000,
0.0000

70.3061, 0.2718,
0.3289

70.3061, 0.2718,
0.3289

68.0592, 0.2597,
0.3289

73.0022, 0.2853,
0.3289

66.2292, 0.2492,
0.3289


76.1609, 0.3000,
0.3290


64.7930, 0.2406,
0.3288

79.8057, 0.3155,
0.3290

63.7217, 0.2339,
0.3288

83.5666, 0.3300,
0.3290

 62.9823, 0.2291,
0.3288


 83.5670, 0.3300,
0.3290

 62.5364, 0.2262,
0.3288


 83.5674, 0.3300,
0.3290

 62.3285, 0.2249,
0.3288

 83.5678, 0.3300,
0.3290

 62.3023, 0.2247,
0.3288

 83.5682, 0.3300,
0.3290

 83.5686, 0.3300,
0.3290

Harmonies

Analogous

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



70.3061, 0.2906, 0.3531



70.3061, 0.2718, 0.3289



70.3061, 0.2638, 0.3060

Triad

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



70.3061, 0.2718, 0.3289



70.3061, 0.3079, 0.2917



70.3061, 0.3589, 0.3665

Complementary

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



70.3061, 0.2718, 0.3289



46.4671, 0.3747, 0.3292

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.



70.3061, 0.3643, 0.3486



70.3061, 0.2718, 0.3289



70.3061, 0.3342, 0.3065

Square

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



70.3061, 0.2718, 0.3289



70.3061, 0.2839, 0.2859



70.3061, 0.3552, 0.3269



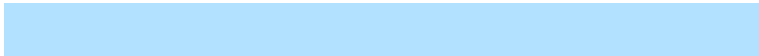
70.3061, 0.3409, 0.3750

Rectangle

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



70.3061, 0.2718, 0.3289



70.3061, 0.2653, 0.2947



70.3061, 0.3552, 0.3269



70.3061, 0.3623, 0.3613

Sweetspot

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



70.3089, 0.2718, 0.3289



96.3338, 0.3003, 0.3290



67.4317, 0.3096, 0.4106



20.4814, 0.2980, 0.3290



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.



70.3089, 0.2718, 0.3289



87.0961, 0.2644, 0.3289



54.3814, 0.2678, 0.2904



16.3364, 0.2982, 0.3290



35.2725, 0.2247, 0.3288



2.6065, 0.2247, 0.3288

Inverse Universe

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



46.4671, 0.3747, 0.3292



52.2155, 0.3934, 0.3292



59.2187, 0.3649, 0.3646



14.3681, 0.3293, 0.3290



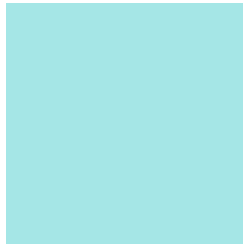
9.5244, 0.6400, 0.3300



0.7038, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 70.3061, 0.2718, 0.3289 looks on a white background.

Color Contrast Check

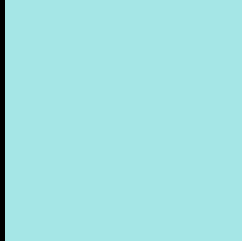
Large Text (above 18pt) WCAG AA × Fail

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 70.3061, 0.2718, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

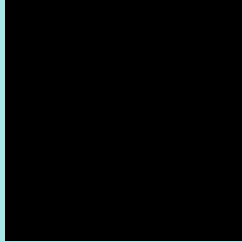
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.3061, 0.2718, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 70.3061, 0.2718, 0.3289.

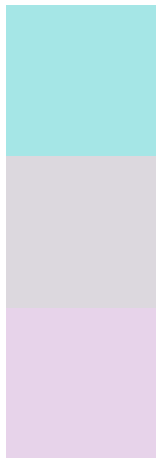


This preview shows how white text looks on a background with the Yxy color 70.3061, 0.2718, 0.3289.

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

70.3061, 0.2718, 0.3289

Protanopia

69.6013, 0.3116, 0.3224

Deuteranopia

69.5180, 0.3117, 0.3047



Tritanopia

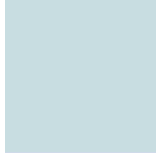
70.5756, 0.2653, 0.3083

Trichromacy



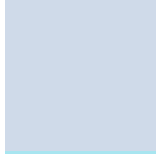
Original Color

70.3061, 0.2718, 0.3289



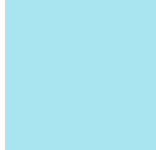
Protanomaly

69.4285, 0.2956, 0.3244



Deuteranomaly

69.2914, 0.2953, 0.3124



Tritanomaly

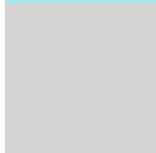
70.6547, 0.2680, 0.3162

Monochromacy



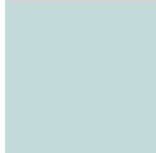
Original Color

70.3061, 0.2718, 0.3289



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

66.6741, 0.2959, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3061, 0.2718, 0.3289 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(165, 230, 230)` looks like.

```
.text, #text, p{  
    color:rgb(165, 230, 230)  
}
```

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(165, 230, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 230, 230) }
```

Border

The CSS property to change the border of an element to Yxy 70.3061, 0.2718, 0.3289 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(165, 230, 230) }
```

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

```
.border{ border-color:rgb(165, 230, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 230, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 230, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 230, 230);  
box-shadow:4px 4px 4px 4px rgb(165, 230,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3061, 0.2718, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 230, 230) }
```

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

```
.background{ background-color: rgb(165,  
230, 230) }
```

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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