

Converting Colors

$Yxy(70.0065, 0.2796, 0.3295)$

Have a look what the booklet for
Yxy(70.0065, 0.2796, 0.3295)
contains.

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Color

Yxy(70.2630, 0.2796, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	B0E4E3
RGB	176, 228, 227
RGB Percent	69%, 89%, 89%
CMY	0.3097, 0.1059, 0.1099
CMYK	0.23, 0.00, 0.00, 0.11
HSL	179°, 49%, 79%
HSV	179°, 23%, 89%
XYZ	59.5139, 70.2630, 83.0768
YIQ	212.3380, -30.6710, -11.3350

Conversions

Conversions Part 2

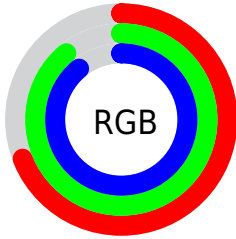
Format	Color
RYB	176, 202, 228
Decimal	11592931
CIELab	87.13, -16.75, -4.95
CIElCh	87, 17.468, 196.470
Yxy	70.2630, 0.2796, 0.3301
Android (android.graphics.Color)	4289783011 (0xFFB0E4E3)
YUV	212.3380, 7.2284, -31.8684
Hunter-Lab	83.8230, -19.9563, -0.0861

Details

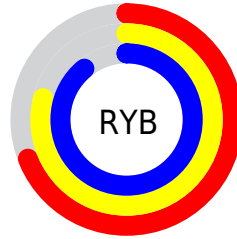
The Yxy color **70.2630, 0.2796, 0.3301** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.7324, 0.3586, 0.3280**, and the grayscale version is **66.0449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **36.6212, 0.2714, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **67.8021, 0.2669, 0.3307**, and if you desaturate by 10%, it is **73.1761, 0.2936, 0.3296**.

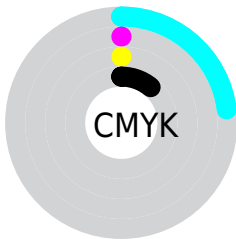
Distribution



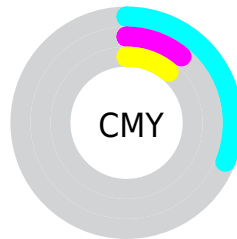
- Red (69%)
- Green (89%)
- Blue (89%)



- Red (69%)
- Yellow (79%)
- Blue (89%)



- Cyan (23%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)





- Cyan (31%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2630, 0.2796, 0.3301 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 70.2630, 0.2796, 0.3301 by changing the saturation by 10% instead.

 70.2630, 0.2796,
0.3301

 70.2630, 0.2796,
0.3301


461.4729, 0.2949,
0.3298

 51.7410, 0.2761,
0.3301


 119.5837, 0.2849,
0.3300

 36.7987, 0.2718,
0.3301


151.1512, 0.2870,
0.3300

 25.0516, 0.2664,
0.3301


187.8360, 0.2887,
0.3299

 16.1155, 0.2593,
0.3301

230.0225, 0.2903,
0.3299

 9.6059, 0.2496,
0.3298

278.0950, 0.2917,
0.3299

 5.1385, 0.2357,
0.3293

332.4380, 0.2929,

 2.3287, 0.2142,

0.3298

0.3278

393.4358, 0.2939,
0.3298

0.7889, 0.1447,
0.3349

0.0000, 0.0000,
0.0000

70.2630, 0.2796,
0.3301

70.2630, 0.2796,
0.3301

67.8021, 0.2669,
0.3307

73.1761, 0.2936,
0.3296

65.7624, 0.2556,
0.3312

76.5535, 0.3084,
0.3291

64.1228, 0.2461,
0.3319

80.4175, 0.3239,
0.3287

62.8564, 0.2385,
0.3325

82.3930, 0.3311,
0.3283

■ 61.9335, 0.2328,
0.3331

■ 82.4182, 0.3308,
0.3278

■ 61.3197, 0.2290,
0.3338

■ 82.4435, 0.3305,
0.3274

■ 60.9734, 0.2270,
0.3344

■ 82.4689, 0.3302,
0.3269

■ 60.8418, 0.2264,
0.3349

■ 82.4944, 0.3299,
0.3265

■ 82.5199, 0.3296,
0.3260

Harmonies

Analogous

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



70.2630, 0.2956, 0.3495



70.2630, 0.2796, 0.3301



70.2630, 0.2724, 0.3112

Triad

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



70.2630, 0.2796, 0.3301



70.2630, 0.3078, 0.2977



70.2630, 0.3511, 0.3594

Complementary

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



70.2630, 0.2796, 0.3301



50.7324, 0.3586, 0.3280

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.



70.2630, 0.3548, 0.3446



70.2630, 0.2796, 0.3301



70.2630, 0.3294, 0.3097

Square

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



70.2630, 0.2796, 0.3301



70.2630, 0.2882, 0.2933



70.2630, 0.3468, 0.3265



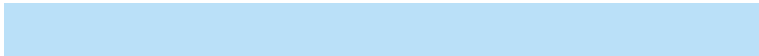
70.2630, 0.3369, 0.3665

Rectangle

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



70.2630, 0.2796, 0.3301



70.2630, 0.2733, 0.3015



70.2630, 0.3468, 0.3265



70.2630, 0.3536, 0.3551

Sweetspot

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



70.2659, 0.2796, 0.3301



96.7476, 0.3020, 0.3293



68.0603, 0.3109, 0.3927



20.6510, 0.3011, 0.3293



0.0000, 0.0000, 0.0000



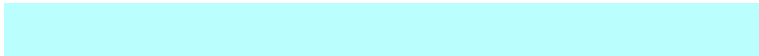
21.4041, 0.3127, 0.3290

Same Dimension

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



70.2659, 0.2796, 0.3301



89.1103, 0.2739, 0.3303



57.9006, 0.2768, 0.2998



16.3312, 0.2984, 0.3294



35.1337, 0.2263, 0.3348



2.5978, 0.2261, 0.3338

Inverse Universe

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



50.7324, 0.3586, 0.3280



60.0510, 0.3703, 0.3277



61.0695, 0.3535, 0.3565



14.3726, 0.3289, 0.3286



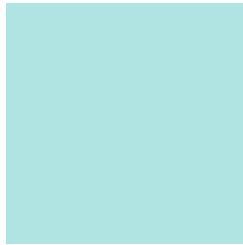
9.5320, 0.6379, 0.3288



0.7060, 0.6317, 0.3254

Previews

White Background



This preview shows how the Yxy color 70.2630, 0.2796, 0.3301 looks on a white background.

Color Contrast Check

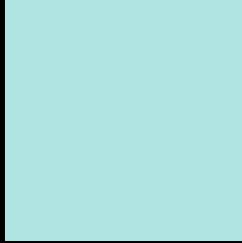
Large Text (above 18pt) WCAG AA × Fail

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 70.2630, 0.2796, 0.3301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

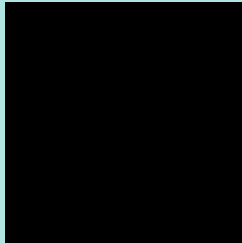
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

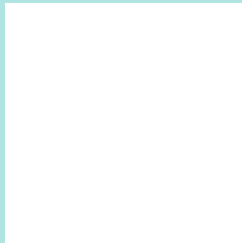
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.2630, 0.2796, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 70.2630, 0.2796, 0.3301.

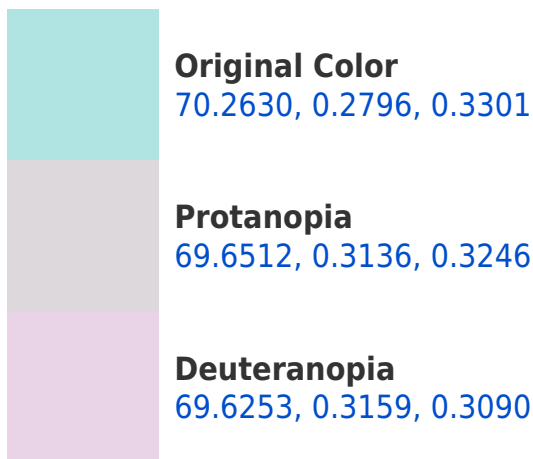


This preview shows how white text looks on a background with the Yxy color 70.2630, 0.2796, 0.3301.

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

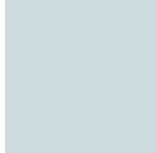
69.9052, 0.2722, 0.3084

Trichromacy



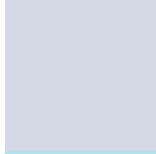
Original Color

70.2630, 0.2796, 0.3301



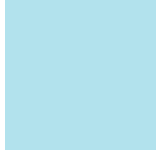
Protanomaly

69.4932, 0.3003, 0.3256



Deuteranomaly

69.2799, 0.3013, 0.3158



Tritanomaly

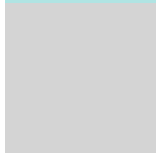
69.9721, 0.2750, 0.3163

Monochromacy



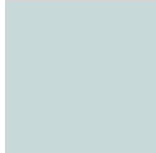
Original Color

70.2630, 0.2796, 0.3301



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.2947, 0.3000, 0.3301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2630, 0.2796, 0.3301 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(176, 228, 227)` looks like.

```
.text, #text, p{  
    color:rgb(176, 228, 227)  
}
```

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(176, 228, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 228, 227) }
```

Border

The CSS property to change the border of an element to Yxy 70.2630, 0.2796, 0.3301 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(176, 228, 227) }
```

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

```
.border{ border-color:rgb(176, 228, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 228, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 228, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 228, 227);  
box-shadow:4px 4px 4px 4px rgb(176, 228,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2630, 0.2796, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 228, 227) }
```

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

```
.background{ background-color: rgb(176,  
228, 227) }
```

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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