

# Converting Colors

$Yxy(70.7362, 0.2818, 0.3296)$

Have a look what the booklet for  
Yxy(70.7362, 0.2818, 0.3296)  
contains.

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# Color

**Yxy(70.7362, 0.2820, 0.3301)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4E4E3
RGB	180, 228, 227
RGB Percent	71%, 89%, 89%
CMY	0.2941, 0.1059, 0.1099
CMYK	0.21, 0.00, 0.00, 0.11
HSL	179°, 47%, 80%
HSV	179°, 21%, 89%
XYZ	60.4290, 70.7362, 83.1220
YIQ	213.5340, -28.2870, -10.4870

# Conversions

## Conversions Part 2

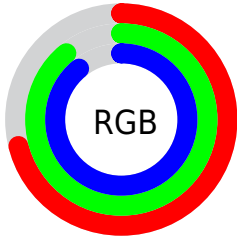
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 204, 228
Decimal	11855075
CIELab	87.36, -15.57, -4.59
CIElCh	87, 16.227, 196.421
Yxy	70.7362, 0.2820, 0.3301
Android (android.graphics.Color)	4290045155 (0xFFB4E4E3)
YUV	213.5340, 6.6387, -29.4093
Hunter-Lab	84.1048, -18.9319, 0.2762

# Details

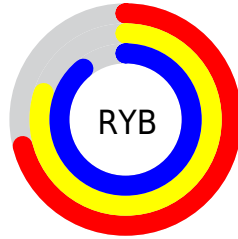
The Yxy color **70.7362, 0.2820, 0.3301** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.4787, 0.3541, 0.3279**, and the grayscale version is **66.8863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7445, 0.3017, 0.3290**, and **37.3013, 0.2745, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **68.1968, 0.2691, 0.3307**, and if you desaturate by 10%, it is **73.7316, 0.2961, 0.3296**.

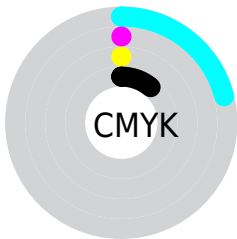
# Distribution



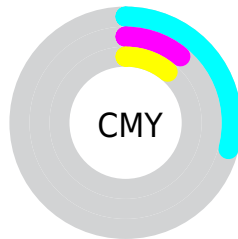
- Red (71%)
- Green (89%)
- Blue (89%)



- Red (71%)
- Yellow (80%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)




- Cyan (29%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7362, 0.2820, 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 70.7362, 0.2820, 0.3301 by changing the saturation by 10% instead.





 70.7362, 0.2820,  
0.3301

 70.7362, 0.2820,  
0.3301


463.1307, 0.2962,  
0.3297

 52.1269, 0.2788,  
0.3301


 120.2580, 0.2869,  
0.3300

 37.1063, 0.2748,  
0.3302


151.9394, 0.2888,  
0.3300

 25.2898, 0.2697,  
0.3302


188.7469, 0.2905,  
0.3299

 16.2931, 0.2631,  
0.3302

231.0650, 0.2919,  
0.3299

 9.7318, 0.2542,  
0.3300

279.2780, 0.2932,  
0.3298

 5.2215, 0.2413,  
0.3296

333.7704, 0.2943,

 2.3778, 0.2214,

0.3298

0.3284

394.9265, 0.2953,  
0.3298

0.8144, 0.1617,  
0.3342

0.0000, 0.0000,  
0.0000

70.7362, 0.2820,  
0.3301

70.7362, 0.2820,  
0.3301

68.1968, 0.2691,  
0.3307

73.7316, 0.2961,  
0.3296

66.0827, 0.2576,  
0.3313

77.1948, 0.3111,  
0.3291

64.3730, 0.2477,  
0.3320

81.1478, 0.3267,  
0.3286

63.0414, 0.2398,  
0.3327

82.4036, 0.3310,  
0.3281

62.0589, 0.2338,  
0.3334

82.4310, 0.3307,  
0.3276

61.3919, 0.2297,  
0.3341

82.4585, 0.3303,  
0.3272

61.0003, 0.2274,  
0.3348

82.4861, 0.3300,  
0.3267

60.8236, 0.2265,  
0.3354

82.5137, 0.3297,  
0.3262

82.5414, 0.3293,  
0.3257

# Harmonies

## Analogous

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



70.7362, 0.2969, 0.3480



70.7362, 0.2820, 0.3301



70.7362, 0.2752, 0.3125

# Triad

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



70.7362, 0.2820, 0.3301



70.7362, 0.3082, 0.2999



70.7362, 0.3483, 0.3572

# Complementary

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



70.7362, 0.2820, 0.3301



52.4787, 0.3541, 0.3279

# 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.



70.7362, 0.3517, 0.3435



70.7362, 0.2820, 0.3301



70.7362, 0.3281, 0.3110

# Square

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



70.7362, 0.2820, 0.3301



70.7362, 0.2900, 0.2959



70.7362, 0.3443, 0.3267



70.7362, 0.3352, 0.3638



# Rectangle

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



70.7362, 0.2820, 0.3301



70.7362, 0.2761, 0.3035



70.7362, 0.3443, 0.3267



70.7362, 0.3506, 0.3532

# Sweetspot

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



70.7391, 0.2820, 0.3301



97.1916, 0.3035, 0.3293



68.6832, 0.3111, 0.3872



20.7405, 0.3026, 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.



70.7391, 0.2820, 0.3301



89.7609, 0.2765, 0.3303



59.2598, 0.2796, 0.3023



16.3308, 0.2985, 0.3295



35.1221, 0.2265, 0.3353



2.5971, 0.2262, 0.3342



# Inverse Universe

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



52.4787, 0.3541, 0.3279



62.4641, 0.3647, 0.3277



62.2231, 0.3499, 0.3543



14.3730, 0.3289, 0.3285



9.5326, 0.6377, 0.3287

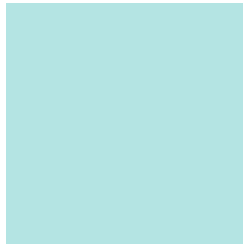


0.7062, 0.6310, 0.3250



# Previews

## White Background



This preview shows how the Yxy color 70.7362, 0.2820, 0.3301 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

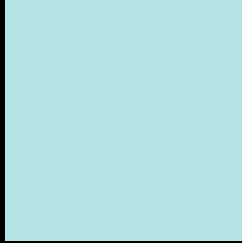
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 70.7362, 0.2820, 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

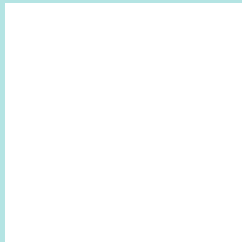
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.7362, 0.2820, 0.3301**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.7362, 0.2820, 0.3301.

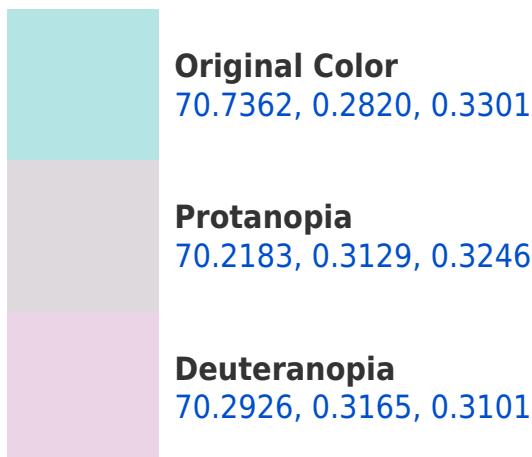


This preview shows how white text looks on a background with the Yxy color 70.7362, 0.2820, 0.3301.

# 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

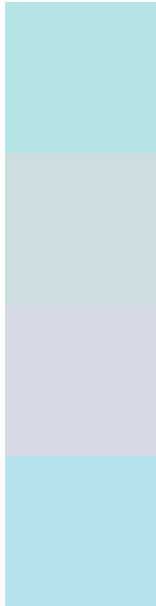




## Tritanopia

70.3888, 0.2746, 0.3086

# Trichromacy



**Original Color**

70.7362, 0.2820, 0.3301

**Protanomaly**

70.1624, 0.3010, 0.3267

**Deuteranomaly**

70.0961, 0.3027, 0.3169

**Tritanomaly**

70.4522, 0.2774, 0.3164

# Monochromacy



**Original Color**

70.7362, 0.2820, 0.3301

**Achromatopsia**

67.2443, 0.3127, 0.3290

**Achromatomaly**

68.3341, 0.3008, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.7362, 0.2820, 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(180, 228, 227)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 228, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 228, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 70.7362, 0.2820, 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(180, 228, 227) }
```

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

```
.border{ border-color:rgb(180, 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(180, 228, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 228, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 228, 227);  
box-shadow:4px 4px 4px 4px rgb(180, 228,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.7362, 0.2820, 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(180, 228, 227) }
```

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

```
.background{ background-color: rgb(180,  
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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