

Converting Colors

$Y_{xy}(72.6211, 0.2835, 0.3289)$

Have a look what the booklet for
Yxy(72.6211, 0.2835, 0.3289)
contains.

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Color

Yxy(72.6211, 0.2835, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	B9E6E6
RGB	185, 230, 230
RGB Percent	73%, 90%, 90%
CMY	0.2743, 0.0981, 0.0980
CMYK	0.20, 0.00, 0.00, 0.10
HSL	180°, 47%, 81%
HSV	180°, 20%, 90%
XYZ	62.5968, 72.6211, 85.5821
YIQ	216.5450, -26.8200, -9.5400

Conversions

Conversions Part 2

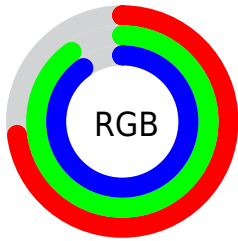
Format	Color
RYB	185, 208, 230
Decimal	12183270
CIELab	88.27, -14.41, -4.80
CIELCh	88, 15.187, 198.441
Yxy	72.6211, 0.2835, 0.3289
Android (android.graphics.Color)	4290373350 (0xFFB9E6E6)
YUV	216.5450, 6.6333, -27.6650
Hunter-Lab	85.2180, -18.0146, 0.1093

Details

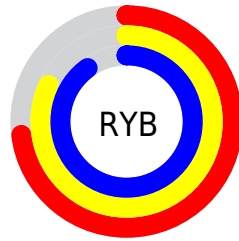
The Yxy color **72.6211, 0.2835, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **55.0535, 0.3513, 0.3291**, and the grayscale version is **69.0363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **38.1925, 0.2763, 0.3274** is the 20% darker color. If you saturate the color by 10%, you get **69.9872, 0.2701, 0.3289**, and if you desaturate by 10%, it is **75.7237, 0.2980, 0.3290**.

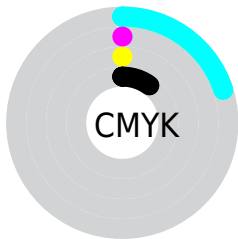
Distribution



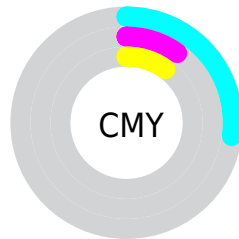
- Red (73%)
- Green (90%)
- Blue (90%)



- Red (73%)
- Yellow (82%)
- Blue (90%)



- Cyan (20%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)





- Cyan (27%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6211, 0.2835, 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 72.6211, 0.2835, 0.3289 by changing the saturation by 10% instead.


 72.6211, 0.2835,
0.3289

 72.6211, 0.2835,
0.3289


469.7006, 0.2969,
0.3291

 53.6662, 0.2805,
0.3288


 122.9392, 0.2881,
0.3290

 38.3349, 0.2767,
0.3287


155.0711, 0.2900,
0.3290

 26.2427, 0.2720,
0.3285

192.3642, 0.2915,
0.3290

 17.0053, 0.2658,
0.3283

235.2028, 0.2929,
0.3291

 10.2383, 0.2575,
0.3278

283.9714, 0.2941,
0.3291

 5.5572, 0.2455,
0.3269

339.0543, 0.2951,

 2.5778, 0.2272,

0.3291

400.8358, 0.2961,
0.3291

0.3252

0.9155, 0.1841,
0.3252

0.0000, 0.0000,
0.0000

72.6211, 0.2835,
0.3289

72.6211, 0.2835,
0.3289

69.9872, 0.2701,
0.3289

75.7237, 0.2980,
0.3290

67.7909, 0.2582,
0.3288

79.3069, 0.3134,
0.3290


66.0111, 0.2480,
0.3288

83.3929, 0.3294,
0.3291

64.6214, 0.2396,
0.3287

83.5746, 0.3300,
0.3291

 63.5927, 0.2331,
0.3287


 83.5775, 0.3300,
0.3291


 62.8913, 0.2286,
0.3287


 83.5803, 0.3300,
0.3291


 62.4777, 0.2259,
0.3287

 83.5832, 0.3300,
0.3291

 62.2868, 0.2247,
0.3287

 83.5861, 0.3300,
0.3291

 62.2798, 0.2246,
0.3287

 83.5890, 0.3300,
0.3291

Harmonies

Analogous

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



72.6211, 0.2969, 0.3456



72.6211, 0.2835, 0.3289



72.6211, 0.2778, 0.3128

Triad

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



72.6211, 0.2835, 0.3289



72.6211, 0.3098, 0.3024



72.6211, 0.3451, 0.3559

Complementary

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



72.6211, 0.2835, 0.3289



55.0535, 0.3513, 0.3291

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.



72.6211, 0.3490, 0.3435



72.6211, 0.2835, 0.3289



72.6211, 0.3282, 0.3132

Square

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



72.6211, 0.2835, 0.3289



72.6211, 0.2926, 0.2982



72.6211, 0.3427, 0.3280



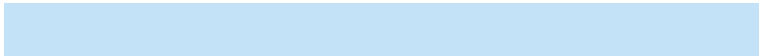
72.6211, 0.3325, 0.3613

Rectangle

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



72.6211, 0.2835, 0.3289



72.6211, 0.2790, 0.3047



72.6211, 0.3427, 0.3280



72.6211, 0.3475, 0.3523

Sweetspot

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



72.6241, 0.2835, 0.3289



97.2106, 0.3034, 0.3290



70.4214, 0.3102, 0.3827



20.7450, 0.3024, 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.



72.6241, 0.2835, 0.3289



90.5143, 0.2786, 0.3289



60.9166, 0.2819, 0.3026



16.3358, 0.2982, 0.3290



35.2586, 0.2246, 0.3287



2.6057, 0.2246, 0.3287

Inverse Universe

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



57.2569, 0.3150, 0.2806



68.1171, 0.3154, 0.2716



65.2108, 0.3466, 0.3540



14.6152, 0.3138, 0.3059



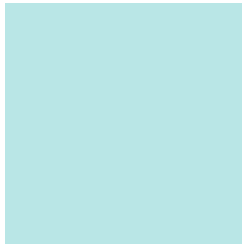
12.7571, 0.3210, 0.1542



0.9427, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 72.6211, 0.2835, 0.3289 looks on a white background.

Color Contrast Check

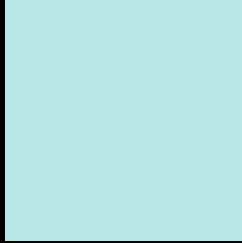
Large Text (above 18pt) WCAG AA × Fail

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 72.6211, 0.2835, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

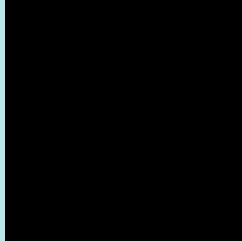
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

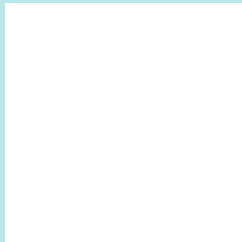
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.6211, 0.2835, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 72.6211, 0.2835, 0.3289.

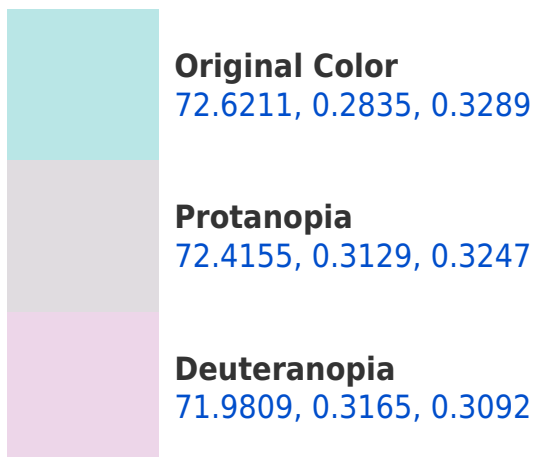


This preview shows how white text looks on a background with the Yxy color 72.6211, 0.2835, 0.3289.

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

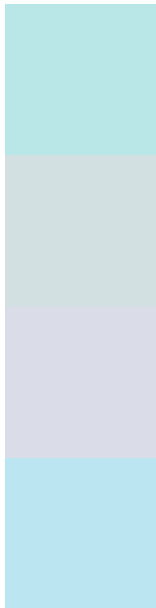




Tritanopia

72.8320, 0.2762, 0.3089

Trichromacy



Original Color

72.6211, 0.2835, 0.3289

Protanomaly

72.5039, 0.3018, 0.3268

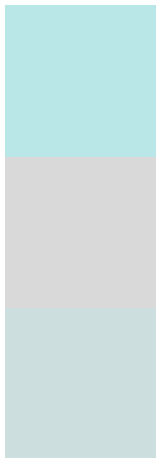
Deuteranomaly

71.9180, 0.3035, 0.3160

Tritanomaly

72.8947, 0.2790, 0.3166

Monochromacy



Original Color

72.6211, 0.2835, 0.3289

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

70.4956, 0.3009, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6211, 0.2835, 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(185, 230, 230)` looks like.

```
.text, #text, p{  
    color:rgb(185, 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(185, 230, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 230, 230) }
```

Border

The CSS property to change the border of an element to Yxy 72.6211, 0.2835, 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(185, 230, 230) }
```

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

```
.border{ border-color:rgb(185, 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(185, 230, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 230, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 230, 230);  
box-shadow:4px 4px 4px 4px rgb(185, 230,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6211, 0.2835, 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(185, 230, 230) }
```

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

```
.background{ background-color: rgb(185,  
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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