

Converting Colors

$Yxy(71.9118, 0.2897, 0.3398)$

Have a look what the booklet for
Yxy(71.9118, 0.2897, 0.3398)
contains.

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Color

Yxy(72.2000, 0.2898, 0.3405)

Conversions

Conversions Part 1

Format	Color
Hex	BAE6DC
RGB	186, 230, 220
RGB Percent	73%, 90%, 86%
CMY	0.2709, 0.0979, 0.1373
CMYK	0.19, 0.00, 0.04, 0.10
HSL	166°, 47%, 82%
HSV	166°, 19%, 90%
XYZ	61.4495, 72.2000, 78.3916
YIQ	215.7040, -23.0140, -12.4380

Conversions

Conversions Part 2

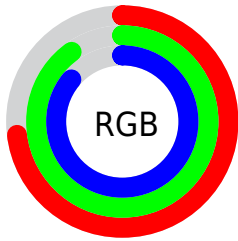
Format	Color
R _{YB}	186, 211, 230
Decimal	12248796
CIE Lab	88.06, -16.21, 0.17
CIE LCh	88, 16.211, 179.403
Yxy	72.2000, 0.2898, 0.3405
Android (android.graphics.Color)	4290438876 (0xFFBAE6DC)
YUV	215.7040, 2.1179, -26.0504
Hunter-Lab	84.9706, -19.6099, 4.7800

Details

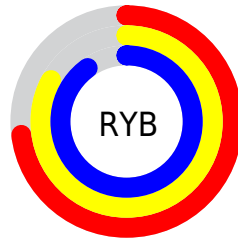
The Yxy color **72.2000, 0.2898, 0.3405** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **55.8999, 0.3420, 0.3178**, and the grayscale version is **68.4470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **37.8942, 0.2843, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **69.2782, 0.2789, 0.3473**, and if you desaturate by 10%, it is **75.6001, 0.3015, 0.3342**.

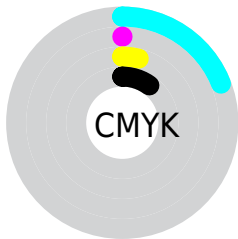
Distribution



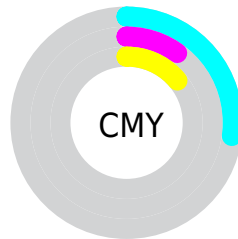
- Red (73%)
- Green (90%)
- Blue (86%)



- Red (73%)
- Yellow (83%)
- Blue (90%)



- Cyan (19%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)




- Cyan (27%)
- Magenta (10%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.2000, 0.2898, 0.3405 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 72.2000, 0.2898, 0.3405 by changing the saturation by 10% instead.


 72.2000, 0.2898,
0.3405

 72.2000, 0.2898,
0.3405


468.2374, 0.3004,
0.3352

 53.3221, 0.2874,
0.3417


 122.3408, 0.2935,
0.3387

 38.0599, 0.2844,
0.3432


154.3725, 0.2949,
0.3379

 26.0292, 0.2806,
0.3451


191.5576, 0.2962,
0.3373

 16.8455, 0.2756,
0.3476

234.2804, 0.2972,
0.3368

 10.1244, 0.2688,
0.3511

282.9255, 0.2982,
0.3363

 5.4815, 0.2589,
0.3560

337.8770, 0.2990,

 2.5325, 0.2434,

0.3359

0.3638

399.5196, 0.2997,
0.3355

0.8928, 0.1964,
0.3872

0.0000, 0.0000,
0.0000

72.2000, 0.2898,
0.3405

72.2000, 0.2898,
0.3405

69.2782, 0.2789,
0.3473

75.6001, 0.3015,
0.3342

66.8036, 0.2691,
0.3547


79.4903, 0.3137,
0.3286


64.7551, 0.2606,
0.3625


83.8932, 0.3262,
0.3234


63.1063, 0.2538,
0.3706


84.2135, 0.3229,
0.3183

 61.8281, 0.2489,
0.3790


 84.5311, 0.3195,
0.3133

 60.8869, 0.2460,
0.3875

 84.8578, 0.3161,
0.3083

 60.2433, 0.2450,
0.3959

 85.0863, 0.3138,
0.3049

 59.8355, 0.2458,
0.4043

 59.8056, 0.2458,
0.4050

Harmonies

Analogous

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



72.2000, 0.3077, 0.3559



72.2000, 0.2898, 0.3405



72.2000, 0.2782, 0.3222

Triad

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



72.2000, 0.2898, 0.3405



72.2000, 0.2974, 0.2969



72.2000, 0.3513, 0.3499

Complementary

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



72.2000, 0.2898, 0.3405



55.8999, 0.3420, 0.3178

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.



72.2000, 0.3485, 0.3341



72.2000, 0.2898, 0.3405



72.2000, 0.3169, 0.3041

Square

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



72.2000, 0.2898, 0.3405



72.2000, 0.2825, 0.2975



72.2000, 0.3357, 0.3175



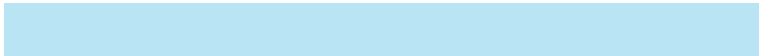
72.2000, 0.3434, 0.3609

Rectangle

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



72.2000, 0.2898, 0.3405



72.2000, 0.2754, 0.3112



72.2000, 0.3357, 0.3175



72.2000, 0.3516, 0.3450

Sweetspot

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



72.2030, 0.2898, 0.3405



96.9903, 0.3053, 0.3324



71.9137, 0.3173, 0.3804



20.6928, 0.3045, 0.3328



0.0000, 0.0000, 0.0000



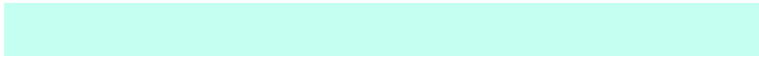
21.4041, 0.3127, 0.3290

Same Dimension

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



72.2030, 0.2898, 0.3405



89.6919, 0.2854, 0.3431



66.4253, 0.2832, 0.3153



16.2773, 0.3012, 0.3344



33.8704, 0.2455, 0.4037



2.5167, 0.2421, 0.3914

Inverse Universe

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



55.8999, 0.3420, 0.3178



65.5367, 0.3496, 0.3154



60.6150, 0.3479, 0.3423



14.4215, 0.3257, 0.3237



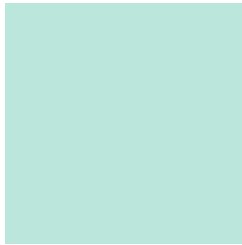
9.6820, 0.5992, 0.3074



0.7294, 0.5583, 0.2849

Previews

White Background



This preview shows how the Yxy color 72.2000, 0.2898, 0.3405 looks on a white background.

Color Contrast Check

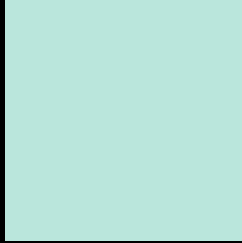
Large Text (above 18pt) WCAG AA × Fail

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 72.2000, 0.2898, 0.3405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

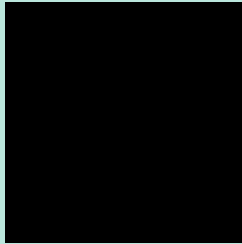
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

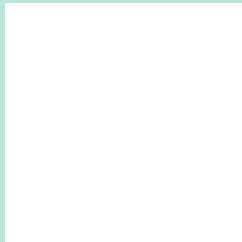
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.2000, 0.2898, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 72.2000, 0.2898, 0.3405.

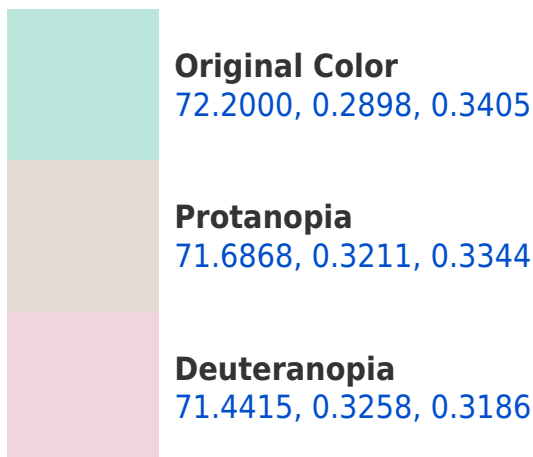


This preview shows how white text looks on a background with the Yxy color 72.2000, 0.2898, 0.3405.

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

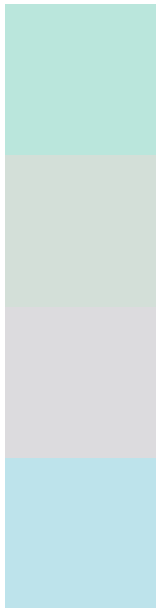




Tritanopia

72.0007, 0.2789, 0.3089

Trichromacy



Original Color

72.2000, 0.2898, 0.3405

Protanomaly

71.5821, 0.3088, 0.3368

Deuteranomaly

71.1526, 0.3114, 0.3257

Tritanomaly

71.7551, 0.2829, 0.3199

Monochromacy



Original Color

72.2000, 0.2898, 0.3405

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.7018, 0.3041, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2000, 0.2898, 0.3405 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(186, 230, 220)` looks like.

```
.text, #text, p{  
    color:rgb(186, 230, 220)  
}
```

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(186, 230, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 230, 220) }
```

Border

The CSS property to change the border of an element to Yxy 72.2000, 0.2898, 0.3405 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(186, 230, 220) }
```

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

```
.border{ border-color:rgb(186, 230, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 230, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 230, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 230, 220);  
box-shadow:4px 4px 4px 4px rgb(186, 230,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2000, 0.2898, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 230, 220) }
```

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

```
.background{ background-color: rgb(186,  
230, 220) }
```

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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