

# Converting Colors

$Yxy(72.8099, 0.2916, 0.3486)$

Have a look what the booklet for  
Yxy(72.8099, 0.2916, 0.3486)  
contains.

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# Color

**Yxy(72.8099, 0.2916, 0.3486)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8E8D7
RGB	184, 232, 215
RGB Percent	72%, 91%, 84%
CMY	0.2781, 0.0902, 0.1568
CMYK	0.21, 0.00, 0.07, 0.09
HSL	159°, 51%, 82%
HSV	159°, 21%, 91%
XYZ	60.9047, 72.8099, 75.1492
YIQ	215.7100, -23.1510, -15.4630

# Conversions

## Conversions Part 2

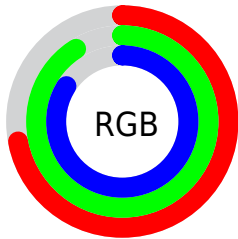
Format	Color
<a href="#">RYB</a>	<a href="#">184, 213, 232</a>
Decimal	<a href="#">12118231</a>
CIELab	<a href="#">88.36, -18.75, 3.18</a>
CIElCh	<a href="#">88, 19.019, 170.378</a>
Yxy	<a href="#">72.8099, 0.2916, 0.3486</a>
Android (android.graphics.Color)	<a href="#">4290308311 (0xFFB8E8D7)</a>
YUV	<a href="#">215.7100, -0.3500, -27.8097</a>
Hunter-Lab	<a href="#">85.3287, -21.9182, 7.5133</a>

# Details

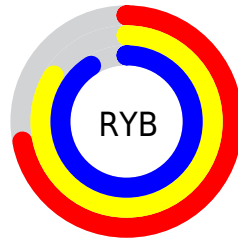
The Yxy color **72.8099, 0.2916, 0.3486** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **55.6840, 0.3398, 0.3103**, and the grayscale version is **68.4875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **38.3346, 0.2866, 0.3535** is the 20% darker color. If you saturate the color by 10%, you get **69.7658, 0.2823, 0.3596**, and if you desaturate by 10%, it is **76.3511, 0.3016, 0.3386**.

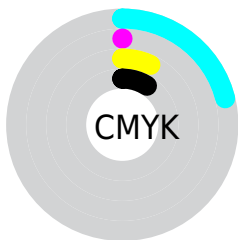
# Distribution



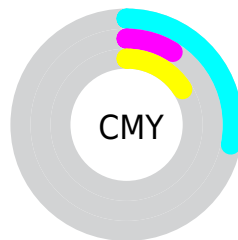
- Red (72%)
- Green (91%)
- Blue (84%)



- Red (72%)
- Yellow (84%)
- Blue (91%)



- Cyan (21%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)




- Cyan (28%)
- Magenta (9%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8099, 0.2916, 0.3486 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 72.8099, 0.2916, 0.3486 by changing the saturation by 10% instead.



 72.8099, 0.2916,  
0.3486

 72.8099, 0.2916,  
0.3486


470.3557, 0.3014,  
0.3394

 53.8205, 0.2893,  
0.3507

 123.2073, 0.2950,  
0.3454

 38.4582, 0.2865,  
0.3534


155.3841, 0.2963,  
0.3441

 26.3385, 0.2830,  
0.3568


192.7256, 0.2975,  
0.3431

 17.0770, 0.2783,  
0.3612

235.6160, 0.2985,  
0.3422

 10.2894, 0.2719,  
0.3674

284.4398, 0.2994,  
0.3413

 5.5913, 0.2626,  
0.3765


339.5815, 0.3001,


 2.5982, 0.2477,


0.3406


0.3912


401.4253, 0.3008,  
0.3400


 0.9258, 0.1977,  
0.4341


 0.0000, 0.0000,  
0.0000


 72.8099, 0.2916,  
0.3486


 72.8099, 0.2916,  
0.3486


 69.7658, 0.2823,  
0.3596

 76.3511, 0.3016,  
0.3386


 67.1865, 0.2739,  
0.3715

 80.4020, 0.3120,  
0.3296

 65.0500, 0.2668,  
0.3841

 84.9858, 0.3226,  
0.3215

 63.3288, 0.2614,  
0.3974

 85.7355, 0.3183,  
0.3136

■ 61.9922, 0.2578,  
0.4111

■ 86.1859, 0.3138,  
0.3068

■ 61.0050, 0.2562,  
0.4249

■ 60.3255, 0.2567,  
0.4386

■ 59.9034, 0.2586,  
0.4511

# Harmonies

## Analogous

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



72.8099, 0.3137, 0.3645



72.8099, 0.2916, 0.3486



72.8099, 0.2755, 0.3273

# Triad

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



72.8099, 0.2916, 0.3486



72.8099, 0.2888, 0.2908



72.8099, 0.3583, 0.3480

# Complementary

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



72.8099, 0.2916, 0.3486



55.6840, 0.3398, 0.3103

# 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.



72.8099, 0.3512, 0.3288



72.8099, 0.2916, 0.3486



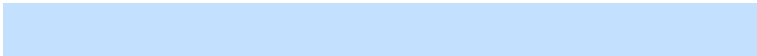
72.8099, 0.3104, 0.2967

# Square

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



72.8099, 0.2916, 0.3486



72.8099, 0.2740, 0.2944



72.8099, 0.3335, 0.3104



72.8099, 0.3526, 0.3632



# Rectangle

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



72.8099, 0.2916, 0.3486



72.8099, 0.2701, 0.3135



72.8099, 0.3335, 0.3104



72.8099, 0.3573, 0.3418

# Sweetspot

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



72.8129, 0.2916, 0.3486



96.8688, 0.3064, 0.3343



73.6763, 0.3221, 0.3841



20.6640, 0.3057, 0.3349



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

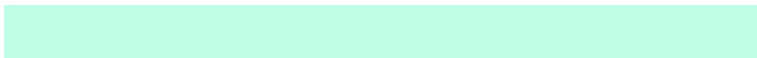


# Same Dimension

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



72.8129, 0.2916, 0.3486



88.4795, 0.2873, 0.3534



70.1996, 0.2815, 0.3216



16.2452, 0.3029, 0.3375



33.2850, 0.2580, 0.4489



2.4772, 0.2526, 0.4293



# Inverse Universe

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



55.6840, 0.3398, 0.3103



63.4765, 0.3472, 0.3060



57.6449, 0.3526, 0.3363



14.4519, 0.3237, 0.3207



9.8853, 0.5555, 0.2834

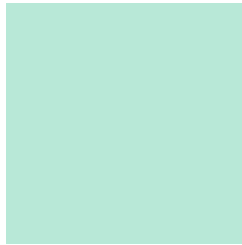


0.7477, 0.5150, 0.2611



# Previews

## White Background



This preview shows how the Yxy color 72.8099, 0.2916, 0.3486 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

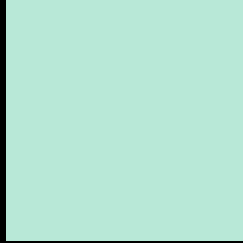
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.8099, 0.2916, 0.3486 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

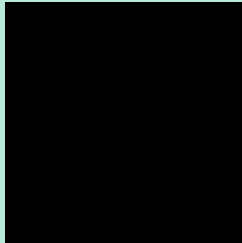
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

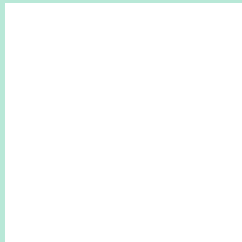
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.8099, 0.2916, 0.3486**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.8099, 0.2916, 0.3486.

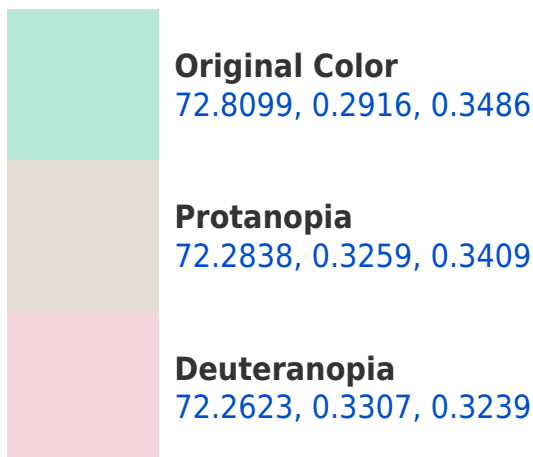


This preview shows how white text looks on a background with the Yxy color 72.8099, 0.2916, 0.3486.

# 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

72.5391, 0.2773, 0.3079

# Trichromacy



**Original Color**

72.8099, 0.2916, 0.3486

**Protanomaly**

72.0115, 0.3127, 0.3435

**Deuteranomaly**

72.3045, 0.3154, 0.3323

**Tritanomaly**

72.7281, 0.2824, 0.3222

# Monochromacy



**Original Color**

72.8099, 0.2916, 0.3486

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

70.0378, 0.3040, 0.3358

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.8099, 0.2916, 0.3486 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(184, 232, 215)` looks like.

```
.text, #text, p{  
    color:rgb(184, 232, 215)  
}
```

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(184, 232, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 232, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 72.8099, 0.2916, 0.3486 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(184, 232, 215) }
```

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

```
.border{ border-color:rgb(184, 232, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 232, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 232, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 232, 215);  
box-shadow:4px 4px 4px 4px rgb(184, 232,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.8099, 0.2916, 0.3486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 232, 215) }
```

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

```
.background{ background-color: rgb(184,  
232, 215) }
```

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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