

# Converting Colors

$Yxy(72.8067, 0.3064, 0.3656)$

Have a look what the booklet for  
Yxy(72.8067, 0.3064, 0.3656)  
contains.

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# Color

**Yxy(72.6594, 0.3063, 0.3649)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1E7C8
RGB	193, 231, 200
RGB Percent	76%, 91%, 78%
CMY	0.2432, 0.0941, 0.2156
CMYK	0.16, 0.00, 0.13, 0.09
HSL	131°, 44%, 83%
HSV	131°, 16%, 91%
XYZ	60.9909, 72.6594, 65.4711
YIQ	216.1040, -12.6970, -17.6970

# Conversions

## Conversions Part 2

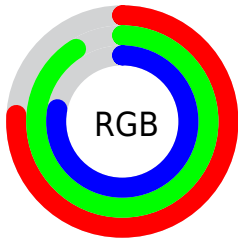
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 225, 231
Decimal	12707784
CIELab	88.29, -18.24, 10.99
CIElCh	88, 21.295, 148.919
Yxy	72.6594, 0.3063, 0.3649
Android (android.graphics.Color)	4290897864 (0xFFC1E7C8)
YUV	216.1040, -7.9393, -20.2622
Hunter-Lab	85.2405, -21.4513, 14.1291

# Details

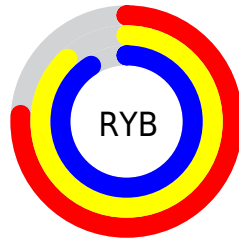
The Yxy color **72.6594, 0.3063, 0.3649** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.4978, 0.3199, 0.2956**, and the grayscale version is **68.8053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0640, 0.3096, 0.3290**, and **38.2242, 0.3046, 0.3736** is the 20% darker color. If you saturate the color by 10%, you get **69.0339, 0.3024, 0.3903**, and if you desaturate by 10%, it is **76.8735, 0.3102, 0.3422**.

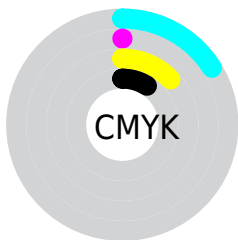
# Distribution



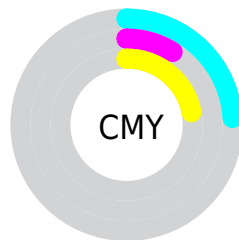
- Red (76%)
- Green (91%)
- Blue (78%)



- Red (76%)
- Yellow (88%)
- Blue (91%)



- Cyan (16%)
- Magenta (0%)
- Yellow (13%)
- Black (9%)




- Cyan (24%)
- Magenta (9%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.6594, 0.3063, 0.3649 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 72.6594, 0.3063, 0.3649 by changing the saturation by 10% instead.





 72.6594, 0.3063,  
0.3649

 72.6594, 0.3063,  
0.3649


469.8335, 0.3095,  
0.3478

 53.6975, 0.3055,  
0.3689


 122.9936, 0.3074,  
0.3589

 38.3599, 0.3045,  
0.3739


155.1346, 0.3079,  
0.3566

 26.2621, 0.3032,  
0.3804


192.4375, 0.3083,  
0.3546

 17.0198, 0.3014,  
0.3890

235.2867, 0.3086,  
0.3529

 10.2486, 0.2988,  
0.4010

284.0664, 0.3088,  
0.3514

 5.5641, 0.2947,  
0.4191

339.1612, 0.3091,

 2.5819, 0.2874,

0.3501

0.4489

400.9555, 0.3093,  
0.3489

0.9176, 0.2710,  
0.5829

0.0000, 0.0000,  
0.0000

72.6594, 0.3063,  
0.3649

72.6594, 0.3063,  
0.3649

69.0339, 0.3024,  
0.3903

76.8735, 0.3102,  
0.3422

65.9618, 0.2988,  
0.4183

81.6913, 0.3141,  
0.3222

63.4185, 0.2957,  
0.4481

85.6370, 0.3138,  
0.3058

61.3737, 0.2933,  
0.4789

■ 59.7940, 0.2919,  
0.5092

■ 58.6419, 0.2917,  
0.5371

■ 57.8738, 0.2927,  
0.5609

■ 57.4358, 0.2949,  
0.5791

■ 57.3304, 0.2956,  
0.5841

# Harmonies

## Analogous

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



72.6594, 0.3320, 0.3744



72.6594, 0.3063, 0.3649



72.6594, 0.2830, 0.3444

# Triad

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



72.6594, 0.3063, 0.3649



72.6594, 0.2731, 0.2881



72.6594, 0.3596, 0.3349

# Complementary

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



72.6594, 0.3063, 0.3649



60.4978, 0.3199, 0.2956

# 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.



72.6594, 0.3425, 0.3137



72.6594, 0.3063, 0.3649



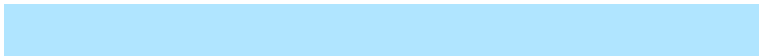
72.6594, 0.2922, 0.2873

# Square

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



72.6594, 0.3063, 0.3649



72.6594, 0.2644, 0.2996



72.6594, 0.3176, 0.2966



72.6594, 0.3634, 0.3556



# Rectangle

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



72.6594, 0.3063, 0.3649



72.6594, 0.2718, 0.3281



72.6594, 0.3176, 0.2966



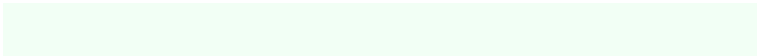
72.6594, 0.3552, 0.3276

# Sweetspot

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



72.6625, 0.3063, 0.3649



97.0106, 0.3108, 0.3392



76.8591, 0.3324, 0.3705



20.6777, 0.3105, 0.3407



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

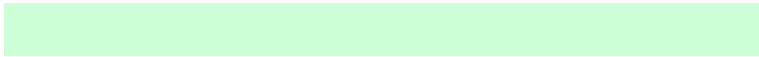


# Same Dimension

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



72.6625, 0.3063, 0.3649



89.1850, 0.3049, 0.3739



73.6035, 0.2949, 0.3426



16.1326, 0.3090, 0.3487



32.1506, 0.2950, 0.5820



2.3884, 0.2879, 0.5565



# Inverse Universe

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



60.4978, 0.3199, 0.2956



71.0712, 0.3217, 0.2879



59.5272, 0.3344, 0.3158



14.5669, 0.3166, 0.3101



11.5804, 0.3741, 0.1834



0.8677, 0.3649, 0.1784



# Previews

## White Background



This preview shows how the Yxy color 72.6594, 0.3063, 0.3649 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 72.6594, 0.3063, 0.3649 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

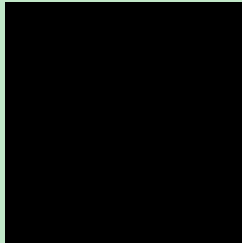
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

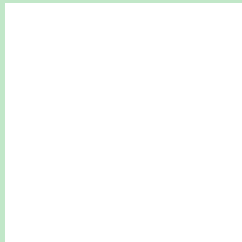
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.6594, 0.3063, 0.3649**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.6594, 0.3063, 0.3649.

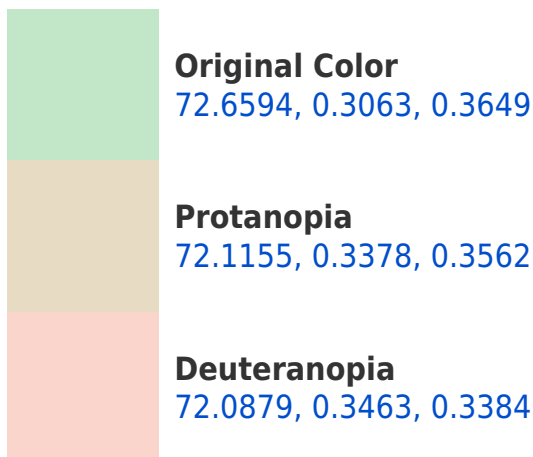


This preview shows how white text looks on a background with the Yxy color 72.6594, 0.3063, 0.3649.

# 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

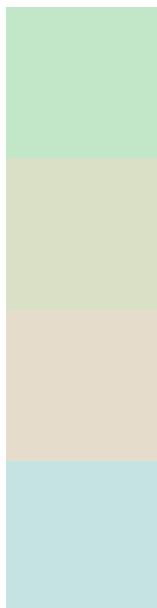




## Tritanopia

72.6009, 0.2850, 0.3092

# Trichromacy



## Original Color

72.6594, 0.3063, 0.3649

## Protanomaly

72.0942, 0.3255, 0.3591

## Deuteranomaly

72.1562, 0.3308, 0.3475

## Tritanomaly

72.3545, 0.2926, 0.3289

# Monochromacy



## Original Color

72.6594, 0.3063, 0.3649

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

69.7759, 0.3107, 0.3414

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.6594, 0.3063, 0.3649 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(193, 231, 200)` looks like.

```
.text, #text, p{  
    color:rgb(193, 231, 200)  
}
```

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(193, 231, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 231, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 72.6594, 0.3063, 0.3649 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(193, 231, 200) }
```

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

```
.border{ border-color:rgb(193, 231, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 231, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 231, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 231, 200);  
box-shadow:4px 4px 4px 4px rgb(193, 231,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.6594, 0.3063, 0.3649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 231, 200) }
```

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

```
.background{ background-color: rgb(193,  
231, 200) }
```

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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