

# Converting Colors

$Yxy(73.0178, 0.2986, 0.3532)$

Have a look what the booklet for  
Yxy(73.0178, 0.2986, 0.3532)  
contains.

<b>Yxy(72.8813, 0.2990, 0.3532)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(72.8813, 0.2990, 0.3532)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFE7D2
RGB	191, 231, 210
RGB Percent	75%, 91%, 82%
CMY	0.2508, 0.0941, 0.1766
CMYK	0.17, 0.00, 0.09, 0.09
HSL	148°, 45%, 83%
HSV	148°, 17%, 91%
XYZ	61.6974, 72.8813, 71.7670
YIQ	216.6460, -17.0990, -15.0110

# Conversions

## Conversions Part 2

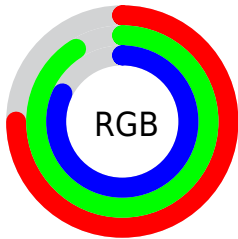
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 218, 231
Decimal	12576722
CIELab	88.39, -17.04, 5.93
CIELCh	88, 18.039, 160.807
Yxy	72.8813, 0.2990, 0.3532
Android (android.graphics.Color)	4290766802 (0xFFBFE7D2)
YUV	216.6460, -3.2765, -22.4915
Hunter-Lab	85.3705, -20.3964, 9.9170

# Details

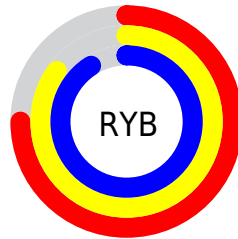
The Yxy color **72.8813, 0.2990, 0.3532** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.0222, 0.3291, 0.3060**, and the grayscale version is **69.1689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **38.3786, 0.2952, 0.3579** is the 20% darker color. If you saturate the color by 10%, you get **69.5382, 0.2915, 0.3694**, and if you desaturate by 10%, it is **76.7489, 0.3069, 0.3386**.

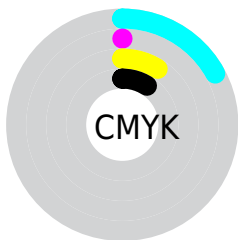
# Distribution



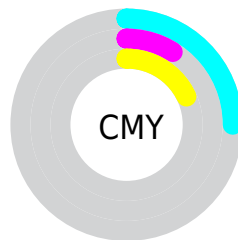
- Red (75%)
- Green (91%)
- Blue (82%)



- Red (75%)
- Yellow (85%)
- Blue (91%)



- Cyan (17%)
- Magenta (0%)
- Yellow (9%)
- Black (9%)




- Cyan (25%)
- Magenta (9%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8813, 0.2990, 0.3532 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 72.8813, 0.2990, 0.3532 by changing the saturation by 10% instead.




 72.8813, 0.2990,  
0.3532

 72.8813, 0.2990,  
0.3532

470.6033, 0.3055,  
0.3418

 53.8789, 0.2975,  
0.3559


 123.3087, 0.3013,  
0.3492

 38.5049, 0.2956,  
0.3592

155.5025, 0.3021,  
0.3477

 26.3748, 0.2932,  
0.3634


192.8622, 0.3029,  
0.3463

 17.1042, 0.2901,  
0.3691

235.7722, 0.3035,  
0.3452

 10.3088, 0.2857,  
0.3769

284.6169, 0.3041,  
0.3442

 5.6042, 0.2792,  
0.3886

339.7808, 0.3046,

 2.6059, 0.2687,

0.3433

0.4077

401.6481, 0.3051,  
0.3425

0.9296, 0.2343,  
0.4663

0.0000, 0.0000,  
0.0000

72.8813, 0.2990,  
0.3532

72.8813, 0.2990,  
0.3532

69.5382, 0.2915,  
0.3694

76.7489, 0.3069,  
0.3386

66.6873, 0.2847,  
0.3871

81.1535, 0.3149,  
0.3256


64.3067, 0.2789,  
0.4061


85.0927, 0.3192,  
0.3140


62.3695, 0.2744,  
0.4263

85.6320, 0.3138,  
0.3058

 60.8454, 0.2715,  
0.4470

 59.7007, 0.2706,  
0.4678

 58.8956, 0.2717,  
0.4880

 58.3782, 0.2746,  
0.5070

 58.2657, 0.2755,  
0.5119

# Harmonies

## Analogous

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



72.8813, 0.3207, 0.3654



72.8813, 0.2990, 0.3532



72.8813, 0.2814, 0.3340

# Triad

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



72.8813, 0.2990, 0.3532



72.8813, 0.2846, 0.2928



72.8813, 0.3550, 0.3415

# Complementary

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



72.8813, 0.2990, 0.3532



59.0222, 0.3291, 0.3060

# 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.



72.8813, 0.3447, 0.3230



72.8813, 0.2990, 0.3532



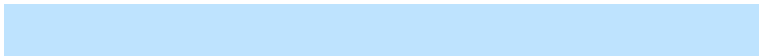
72.8813, 0.3036, 0.2956

# Square

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



72.8813, 0.2990, 0.3532



72.8813, 0.2733, 0.2993



72.8813, 0.3257, 0.3065



72.8813, 0.3535, 0.3576



# Rectangle

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



72.8813, 0.2990, 0.3532



72.8813, 0.2742, 0.3204



72.8813, 0.3257, 0.3065



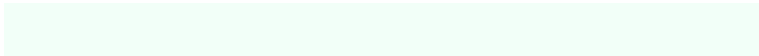
72.8813, 0.3528, 0.3354

# Sweetspot

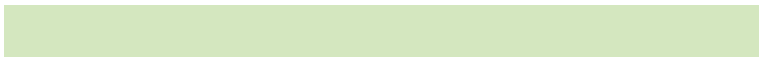
The Sweet Spot groups the original color and five complimentary colors.



72.8844, 0.2990, 0.3532



97.2369, 0.3087, 0.3355



74.9641, 0.3253, 0.3738



20.7325, 0.3081, 0.3365



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

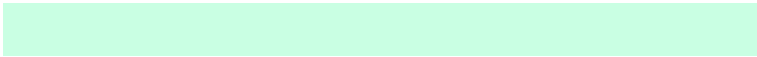


# Same Dimension

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



72.8844, 0.2990, 0.3532



89.5361, 0.2961, 0.3592



73.9273, 0.2874, 0.3304



16.2023, 0.3052, 0.3416



32.6892, 0.2747, 0.5090



2.4343, 0.2671, 0.4814



# Inverse Universe

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



59.0222, 0.3291, 0.3060



68.9358, 0.3335, 0.3007



58.0874, 0.3449, 0.3276



14.4941, 0.3210, 0.3167



10.3312, 0.4843, 0.2442

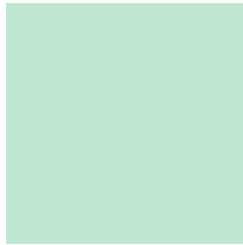


0.7822, 0.4539, 0.2274



# Previews

## White Background



This preview shows how the Yxy color 72.8813, 0.2990, 0.3532 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

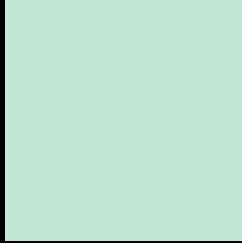
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.8813, 0.2990, 0.3532 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

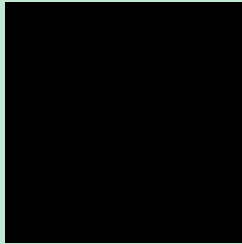
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

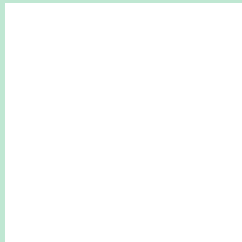
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.8813, 0.2990, 0.3532**

## Background



This preview shows how black text looks on a background with the Yxy color 72.8813, 0.2990, 0.3532.

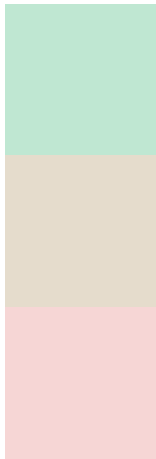


This preview shows how white text looks on a background with the Yxy color 72.8813, 0.2990, 0.3532.

# 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



**Original Color**

72.8813, 0.2990, 0.3532

**Protanopia**

72.2040, 0.3301, 0.3464

**Deuteranopia**

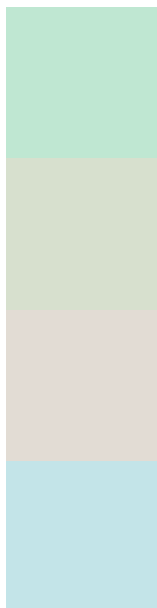
72.4901, 0.3373, 0.3301



## Tritanopia

72.7947, 0.2826, 0.3091

# Trichromacy



## Original Color

72.8813, 0.2990, 0.3532

## Protanomaly

72.2146, 0.3181, 0.3490

## Deuteranomaly

72.1086, 0.3224, 0.3377

## Tritanomaly

72.9151, 0.2884, 0.3245

# Monochromacy



## Original Color

72.8813, 0.2990, 0.3532

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

70.5075, 0.3081, 0.3380

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.8813, 0.2990, 0.3532 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(191, 231, 210)` looks like.

```
.text, #text, p{  
    color:rgb(191, 231, 210)  
}
```

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(191, 231, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 231, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 72.8813, 0.2990, 0.3532 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(191, 231, 210) }
```

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

```
.border{ border-color:rgb(191, 231, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 231, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 231, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 231, 210);  
box-shadow:4px 4px 4px 4px rgb(191, 231,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.8813, 0.2990, 0.3532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 231, 210) }
```

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

```
.background{ background-color: rgb(191,  
231, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor