

# Converting Colors

$Yxy(75.9841, 0.3026, 0.3468)$

Have a look what the booklet for  
Yxy(75.9841, 0.3026, 0.3468)  
contains.

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# Color

**Yxy(75.9841, 0.3026, 0.3468)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBE9D9
RGB	203, 233, 217
RGB Percent	80%, 91%, 85%
CMY	0.2038, 0.0863, 0.1490
CMYK	0.13, 0.00, 0.07, 0.09
HSL	148°, 40%, 85%
HSV	148°, 13%, 91%
XYZ	66.2999, 75.9841, 76.8167
YIQ	222.2060, -12.7440, -11.3360

# Conversions

## Conversions Part 2

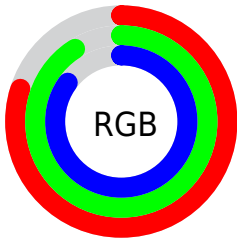
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 223, 233
Decimal	13363673
CIE Lab	89.85, -12.83, 4.46
CIE LCh	90, 13.578, 160.829
Yxy	75.9841, 0.3026, 0.3468
Android (android.graphics.Color)	4291553753 (0xFFCBE9D9)
YUV	222.2060, -2.5666, -16.8437
Hunter-Lab	87.1689, -16.7800, 8.7695

# Details

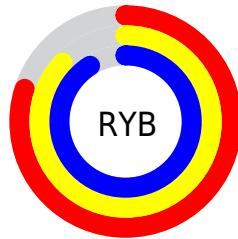
The Yxy color **75.9841, 0.3026, 0.3468** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.1708, 0.3242, 0.3118**, and the grayscale version is **73.2317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **40.4425, 0.3006, 0.3509** is the 20% darker color. If you saturate the color by 10%, you get **72.3340, 0.2950, 0.3625**, and if you desaturate by 10%, it is **80.1810, 0.3105, 0.3327**.

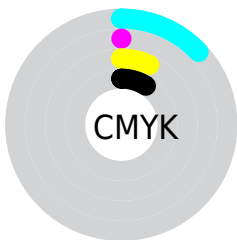
# Distribution



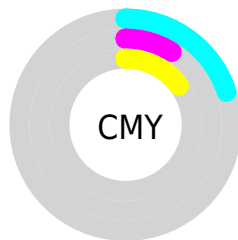
- Red (80%)
- Green (91%)
- Blue (85%)



- Red (80%)
- Yellow (87%)
- Blue (91%)



- Cyan (13%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)




- Cyan (20%)
- Magenta (9%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9841, 0.3026, 0.3468 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 75.9841, 0.3026, 0.3468 by changing the saturation by 10% instead.




 75.9841, 0.3026,  
0.3468

 75.9841, 0.3026,  
0.3468


481.2933, 0.3073,  
0.3385

 56.4195, 0.3015,  
0.3487

127.7044, 0.3042,  
0.3439

 40.5393, 0.3002,  
0.3511


160.6289, 0.3049,  
0.3428

 27.9593, 0.2985,  
0.3541


198.7755, 0.3054,  
0.3418

 18.2950, 0.2962,  
0.3581

242.5285, 0.3059,  
0.3410

 11.1620, 0.2932,  
0.3635

292.2724, 0.3063,  
0.3403

 6.1759, 0.2887,  
0.3715


348.3916, 0.3067,

 2.9523, 0.2816,


0.3396


0.3842

411.2704, 0.3070,  
0.3390


 1.1069, 0.2674,  
0.4090


 0.0000, 0.0000,  
0.0000

 75.9841, 0.3026,  
0.3468


 75.9841, 0.3026,  
0.3468


 72.3340, 0.2950,  
0.3625

 80.1810, 0.3105,  
0.3327


 69.1983, 0.2880,  
0.3798

 84.9367, 0.3184,  
0.3202

 66.5554, 0.2817,  
0.3986

 86.7118, 0.3141,  
0.3084

 64.3788, 0.2767,  
0.4186

 86.7552, 0.3137,  
0.3078

■ 62.6391, 0.2731,  
0.4395

■ 61.3035, 0.2714,  
0.4607

■ 60.3344, 0.2716,  
0.4815

■ 59.6864, 0.2738,  
0.5013

■ 59.3702, 0.2763,  
0.5146

# Harmonies

## Analogous

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



75.9841, 0.3188, 0.3557



75.9841, 0.3026, 0.3468



75.9841, 0.2894, 0.3328

# Triad

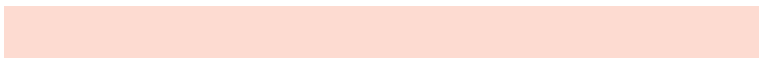
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.9841, 0.3026, 0.3468



75.9841, 0.2918, 0.3019



75.9841, 0.3440, 0.3386

# Complementary

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



75.9841, 0.3026, 0.3468



65.1708, 0.3242, 0.3118

# 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.



75.9841, 0.3364, 0.3247



75.9841, 0.3026, 0.3468



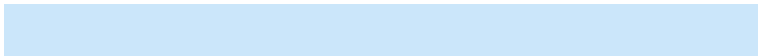
75.9841, 0.3061, 0.3039

# Square

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



75.9841, 0.3026, 0.3468



75.9841, 0.2833, 0.3070



75.9841, 0.3224, 0.3122



75.9841, 0.3429, 0.3504

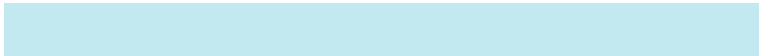


# Rectangle

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



75.9841, 0.3026, 0.3468



75.9841, 0.2839, 0.3228



75.9841, 0.3224, 0.3122



75.9841, 0.3424, 0.3340

# Sweetspot

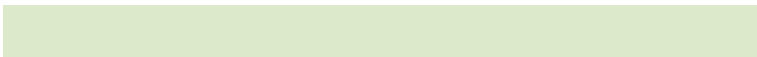
The Sweet Spot groups the original color and five complimentary colors.



75.9873, 0.3026, 0.3468



97.7707, 0.3095, 0.3343



77.7292, 0.3224, 0.3617



20.8399, 0.3089, 0.3353



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

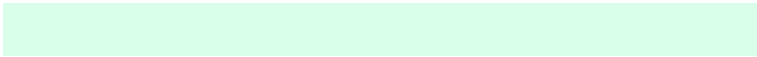


# Same Dimension

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



75.9873, 0.3026, 0.3468



92.2070, 0.3009, 0.3501



76.7752, 0.2940, 0.3306



16.9790, 0.3052, 0.3419



33.7140, 0.2755, 0.5118



2.6666, 0.2682, 0.4854



# Inverse Universe

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



65.1708, 0.3242, 0.3118



76.8816, 0.3265, 0.3088



64.4400, 0.3350, 0.3274



15.1885, 0.3209, 0.3165



10.6869, 0.4813, 0.2425

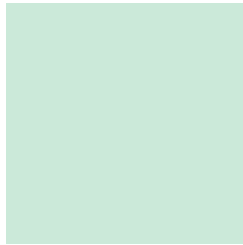


0.8586, 0.4529, 0.2269



# Previews

## White Background



This preview shows how the Yxy color 75.9841, 0.3026, 0.3468 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

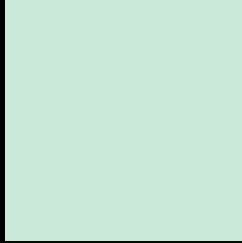
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.9841, 0.3026, 0.3468 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

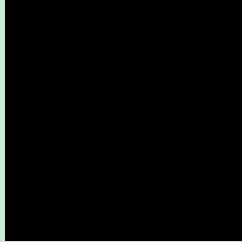
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

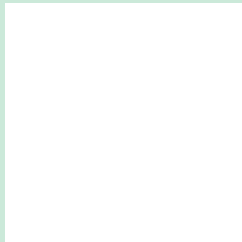
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 75.9841, 0.3026, 0.3468**

## Background



This preview shows how black text looks on a background with the Yxy color 75.9841, 0.3026, 0.3468.

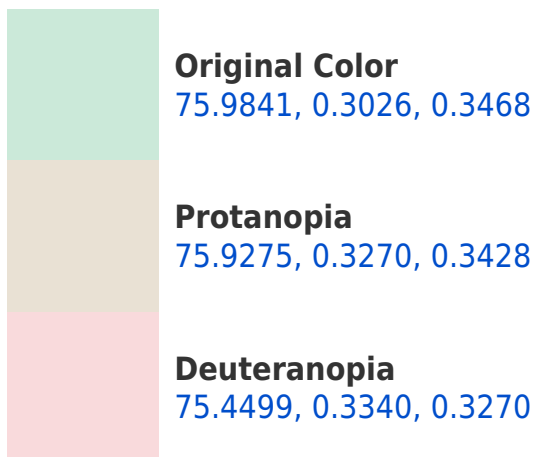


This preview shows how white text looks on a background with the Yxy color 75.9841, 0.3026, 0.3468.

# 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

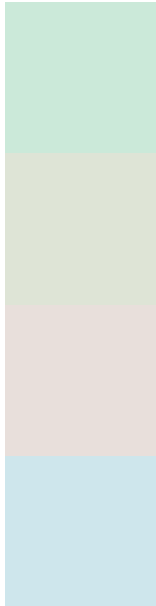




## Tritanopia

76.1639, 0.2879, 0.3097

# Trichromacy



**Original Color**

75.9841, 0.3026, 0.3468

**Protanomaly**

75.8714, 0.3176, 0.3442

**Deuteranomaly**

75.0456, 0.3218, 0.3333

**Tritanomaly**

75.7716, 0.2931, 0.3224

# Monochromacy



**Original Color**

75.9841, 0.3026, 0.3468

**Achromatopsia**

73.0461, 0.3127, 0.3290

**Achromatomaly**

74.0071, 0.3090, 0.3356

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.9841, 0.3026, 0.3468 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(203, 233, 217)` looks like.

```
.text, #text, p{  
    color:rgb(203, 233, 217)  
}
```

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(203, 233, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 233, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 75.9841, 0.3026, 0.3468 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(203, 233, 217) }
```

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

```
.border{ border-color:rgb(203, 233, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 233, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 233, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 233, 217);  
box-shadow:4px 4px 4px 4px rgb(203, 233,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.9841, 0.3026, 0.3468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 233, 217) }
```

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

```
.background{ background-color: rgb(203,  
233, 217) }
```

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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