

# Converting Colors

Yxy(73.9686, 0.3033, 0.3435)

Have a look what the booklet for  
Yxy(73.9686, 0.3033, 0.3435)  
contains.

<b>Yxy(73.6930, 0.3032, 0.3436)</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(73.6930, 0.3032, 0.3436)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBE5D8
RGB	203, 229, 216
RGB Percent	80%, 90%, 85%
CMY	0.2042, 0.1019, 0.1530
CMYK	0.11, 0.00, 0.06, 0.10
HSL	150°, 33%, 85%
HSV	150°, 11%, 90%
XYZ	65.0283, 73.6930, 75.7519
YIQ	219.7440, -11.3230, -9.5550

# Conversions

## Conversions Part 2

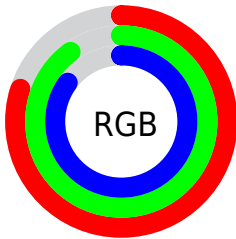
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	203, 220, 229
Decimal	13362648
CIE Lab	88.78, -11.05, 3.43
CIE LCh	89, 11.567, 162.738
Yxy	73.6930, 0.3032, 0.3436
Android (android.graphics.Color)	4291552728 (0xFFCBE5D8)
YUV	219.7440, -1.8458, -14.6845
Hunter-Lab	85.8446, -15.0123, 7.7719

# Details

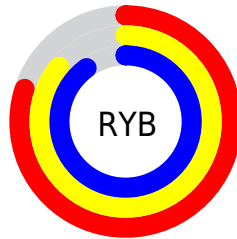
The Yxy color **73.6930, 0.3032, 0.3436** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.3013, 0.3234, 0.3148**, and the grayscale version is **71.3958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **39.2349, 0.3014, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **70.1443, 0.2951, 0.3580**, and if you desaturate by 10%, it is **77.7641, 0.3115, 0.3307**.

# Distribution



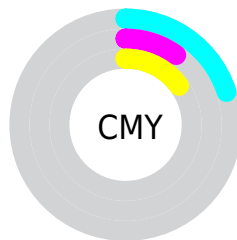
- Red (80%)
- Green (90%)
- Blue (85%)



- Red (80%)
- Yellow (86%)
- Blue (90%)



- Cyan (11%)
- Magenta (0%)
- Yellow (6%)
- Black (10%)



- Cyan (20%)
- Magenta (10%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.6930, 0.3032, 0.3436 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 73.6930, 0.3032, 0.3436 by changing the saturation by 10% instead.



■ 73.6930, 0.3032,  
0.3436

■ 73.6930, 0.3032,  
0.3436

473.4131, 0.3076,  
0.3368

■ 54.5428, 0.3022,  
0.3452

124.4605, 0.3047,  
0.3412

■ 39.0358, 0.3009,  
0.3471

156.8466, 0.3053,  
0.3403

■ 26.7876, 0.2993,  
0.3496

194.4135, 0.3059,  
0.3395

■ 17.4137, 0.2972,  
0.3529

237.5455, 0.3063,  
0.3388

■ 10.5299, 0.2943,  
0.3574

286.6271, 0.3067,  
0.3382

■ 5.7517, 0.2900,  
0.3641

342.0427, 0.3070,

■ 2.6947, 0.2832,

0.3377

404.1765, 0.3074,  
0.3372

0.3748

0.9745, 0.2673,  
0.3983

0.0000, 0.0000,  
0.0000

73.6930, 0.3032,  
0.3436

73.6930, 0.3032,  
0.3436

70.1443, 0.2951,  
0.3580

77.7641, 0.3115,  
0.3307

67.0871, 0.2876,  
0.3739

82.3685, 0.3200,  
0.3192

64.5013, 0.2808,  
0.3912

84.2336, 0.3169,  
0.3083

62.3619, 0.2752,  
0.4097

84.5310, 0.3139,  
0.3039

■ 60.6413, 0.2712,  
0.4290

■ 59.3091, 0.2689,  
0.4488

■ 58.3301, 0.2686,  
0.4685

■ 57.6626, 0.2703,  
0.4875

■ 57.2787, 0.2731,  
0.5030

# Harmonies

## Analogous

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



73.6930, 0.3171, 0.3516



73.6930, 0.3032, 0.3436



73.6930, 0.2921, 0.3315

# Triad

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



73.6930, 0.3032, 0.3436



73.6930, 0.2954, 0.3056



73.6930, 0.3398, 0.3381

# Complementary

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



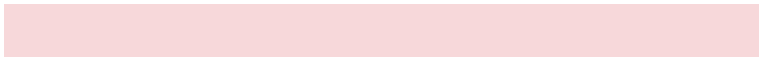
73.6930, 0.3032, 0.3436



64.3013, 0.3234, 0.3148

# 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.



73.6930, 0.3337, 0.3261



73.6930, 0.3032, 0.3436



73.6930, 0.3079, 0.3076

# Square

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



73.6930, 0.3032, 0.3436



73.6930, 0.2876, 0.3096



73.6930, 0.3220, 0.3151



73.6930, 0.3384, 0.3480



# Rectangle

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



73.6930, 0.3032, 0.3436



73.6930, 0.2876, 0.3230



73.6930, 0.3220, 0.3151



73.6930, 0.3386, 0.3341

# Sweetspot

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



73.6961, 0.3032, 0.3436



98.3340, 0.3102, 0.3327



74.9559, 0.3204, 0.3579



20.9545, 0.3095, 0.3337



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

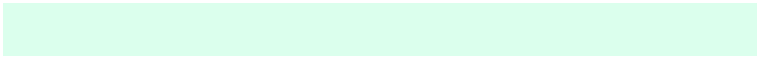


# Same Dimension

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



73.6961, 0.3032, 0.3436



92.7503, 0.3010, 0.3473



74.3974, 0.2953, 0.3289



16.2088, 0.3048, 0.3410



32.7662, 0.2723, 0.5002



2.4401, 0.2649, 0.4735



# Inverse Universe

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



64.3013, 0.3234, 0.3148



78.2025, 0.3263, 0.3114



63.6536, 0.3331, 0.3291



14.4876, 0.3214, 0.3173



10.2491, 0.4955, 0.2503

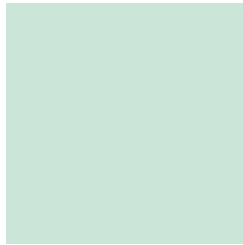


0.7761, 0.4631, 0.2325



# Previews

## White Background



This preview shows how the Yxy color 73.6930, 0.3032, 0.3436 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

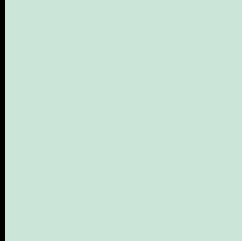
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.6930, 0.3032, 0.3436 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

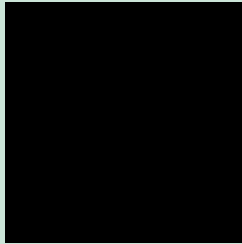
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

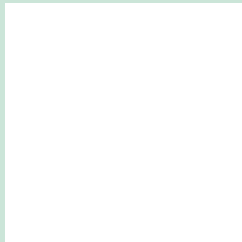
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.6930, 0.3032, 0.3436**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.6930, 0.3032, 0.3436.

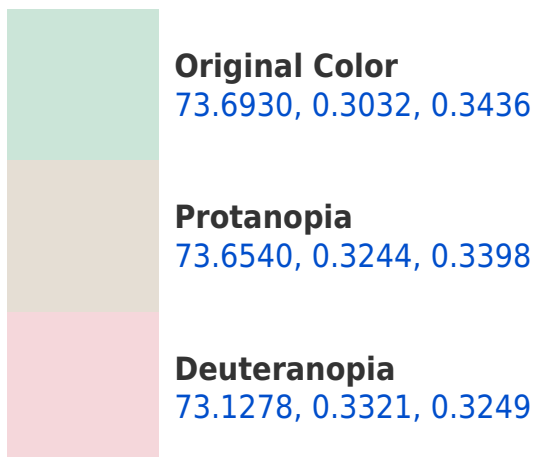


This preview shows how white text looks on a background with the Yxy color 73.6930, 0.3032, 0.3436.

# 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

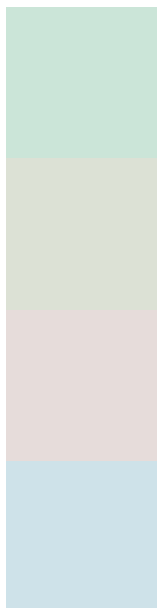




## Tritanopia

73.7314, 0.2901, 0.3095

# Trichromacy



## Original Color

73.6930, 0.3032, 0.3436

## Protanomaly

73.8702, 0.3170, 0.3421

## Deuteranomaly

73.0713, 0.3212, 0.3312

## Tritanomaly

73.3977, 0.2948, 0.3213

# Monochromacy



## Original Color

73.6930, 0.3032, 0.3436

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

72.1860, 0.3090, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.6930, 0.3032, 0.3436 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, 229, 216)` looks like.

```
.text, #text, p{  
    color:rgb(203, 229, 216)  
}
```

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, 229, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 229, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 73.6930, 0.3032, 0.3436 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, 229, 216) }
```

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

```
.border{ border-color:rgb(203, 229, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 229, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 229, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 229, 216);  
box-shadow:4px 4px 4px 4px rgb(203, 229,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.6930, 0.3032, 0.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 229, 216) }
```

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

```
.background{ background-color: rgb(203,  
229, 216) }
```

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