

# Converting Colors

$Yxy(73.7029, 0.3125, 0.3612)$

Have a look what the booklet for  
Yxy(73.7029, 0.3125, 0.3612)  
contains.

<b>Yxy(73.6953, 0.3126, 0.3607)</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(73.6953, 0.3126, 0.3607)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCE6CA
RGB	204, 230, 202
RGB Percent	80%, 90%, 79%
CMY	0.1999, 0.0981, 0.2078
CMYK	0.11, 0.00, 0.12, 0.10
HSL	116°, 36%, 85%
HSV	116°, 12%, 90%
XYZ	63.8679, 73.6953, 66.7487
YIQ	219.0340, -6.5080, -14.2200

# Conversions

## Conversions Part 2

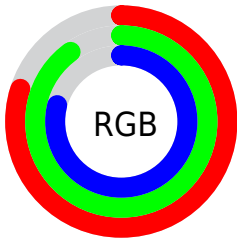
Format	Color
R <sub>Y</sub> B	202, 230, 228
Decimal	13428426
CIE Lab	88.78, -13.69, 10.75
CIE LCh	89, 17.406, 141.845
Yxy	73.6953, 0.3126, 0.3607
Android (android.graphics.Color)	4291618506 (0xFFCCE6CA)
YUV	219.0340, -8.3978, -13.1848
Hunter-Lab	85.8460, -17.4296, 13.9918

# Details

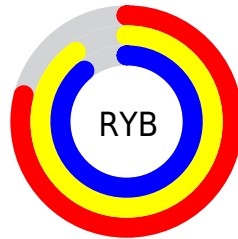
The Yxy color **73.6953, 0.3126, 0.3607** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.4562, 0.3126, 0.2990**, and the grayscale version is **70.9323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.8943, 0.3127, 0.3678** is the 20% darker color. If you saturate the color by 10%, you get **69.8756, 0.3123, 0.3904**, and if you desaturate by 10%, it is **78.0972, 0.3127, 0.3343**.

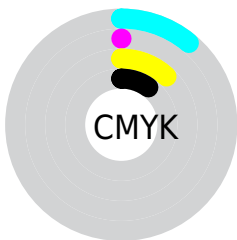
# Distribution



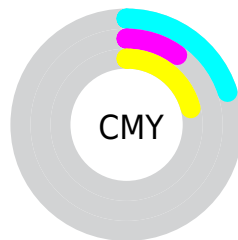
- Red (80%)
- Green (90%)
- Blue (79%)



- Red (79%)
- Yellow (90%)
- Blue (89%)



- Cyan (11%)
- Magenta (0%)
- Yellow (12%)
- Black (10%)




- Cyan (20%)
- Magenta (10%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.6953, 0.3126, 0.3607 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 73.6953, 0.3126, 0.3607 by changing the saturation by 10% instead.



 73.6953, 0.3126,  
0.3607

 73.6953, 0.3126,  
0.3607

473.4211, 0.3128,  
0.3457

 54.5447, 0.3125,  
0.3642


124.4638, 0.3127,  
0.3555

 39.0373, 0.3124,  
0.3685


156.8504, 0.3127,  
0.3534

 26.7887, 0.3122,  
0.3741


194.4179, 0.3128,  
0.3517

 17.4146, 0.3119,  
0.3815

237.5506, 0.3128,  
0.3502

 10.5306, 0.3113,  
0.3918

286.6328, 0.3128,  
0.3489

 5.7521, 0.3103,  
0.4071


342.0491, 0.3128,

 2.6949, 0.3081,

0.3477

0.4320

404.1837, 0.3128,  
0.3467

 0.9746, 0.3152,  
0.5210

 0.0000, 0.0000,  
0.0000


 73.6953, 0.3126,  
0.3607


 73.6953, 0.3126,  
0.3607


 69.8756, 0.3123,  
0.3904

 78.0972, 0.3127,  
0.3343

 66.6046, 0.3117,  
0.4231

 83.0941, 0.3127,  
0.3111

 63.8601, 0.3108,  
0.4580

 85.0710, 0.3138,  
0.3048

 61.6144, 0.3096,  
0.4933

■ 59.8375, 0.3081,  
0.5270

■ 58.4961, 0.3062,  
0.5563

■ 57.5525, 0.3043,  
0.5789

■ 56.9624, 0.3024,  
0.5931

■ 56.7059, 0.3013,  
0.5990

# Harmonies

## Analogous

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



73.6953, 0.3331, 0.3660



73.6953, 0.3126, 0.3607



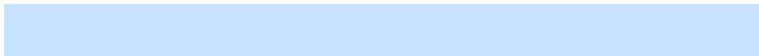
73.6953, 0.2926, 0.3460

# Triad

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



73.6953, 0.3126, 0.3607



73.6953, 0.2778, 0.2971



73.6953, 0.3483, 0.3298

# Complementary

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



73.6953, 0.3126, 0.3607



64.4562, 0.3126, 0.2990

# 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.



73.6953, 0.3326, 0.3127



73.6953, 0.3126, 0.3607



73.6953, 0.2918, 0.2941

# Square

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



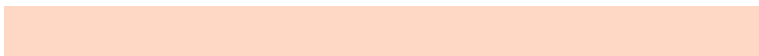
73.6953, 0.3126, 0.3607



73.6953, 0.2729, 0.3087



73.6953, 0.3117, 0.2999



73.6953, 0.3542, 0.3473



# Rectangle

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



73.6953, 0.3126, 0.3607



73.6953, 0.2822, 0.3332



73.6953, 0.3117, 0.2999



73.6953, 0.3440, 0.3239

# Sweetspot

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



73.6985, 0.3126, 0.3607



97.6089, 0.3127, 0.3389



76.3898, 0.3312, 0.3566



20.7990, 0.3127, 0.3409



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

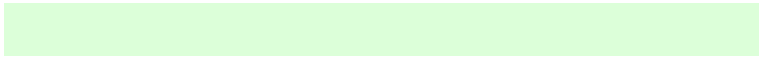


# Same Dimension

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



73.6985, 0.3126, 0.3607



91.6544, 0.3125, 0.3691



73.9894, 0.3040, 0.3473



16.1384, 0.3126, 0.3532



32.1244, 0.3016, 0.5987



2.3913, 0.3061, 0.5952



# Inverse Universe

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



64.4562, 0.3126, 0.2990



77.4592, 0.3125, 0.2916



64.1538, 0.3225, 0.3113



14.5597, 0.3126, 0.3058



11.3059, 0.3030, 0.1443

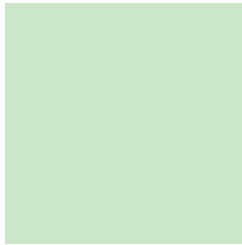


0.8513, 0.3058, 0.1458



# Previews

## White Background



This preview shows how the Yxy color 73.6953, 0.3126, 0.3607 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

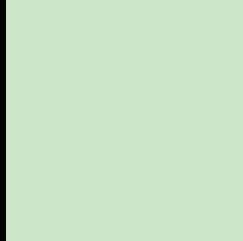
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.6953, 0.3126, 0.3607 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

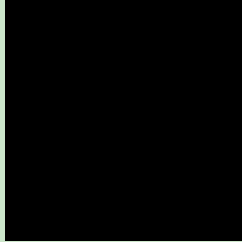
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

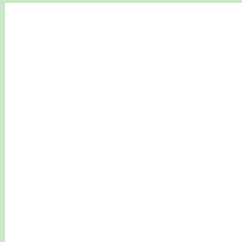
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 73.6953, 0.3126, 0.3607**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.6953, 0.3126, 0.3607.

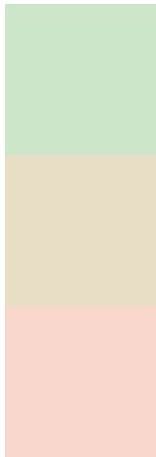


This preview shows how white text looks on a background with the Yxy color 73.6953, 0.3126, 0.3607.

# 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

73.6953, 0.3126, 0.3607

### Protanopia

73.4756, 0.3362, 0.3549

### Deuteranopia

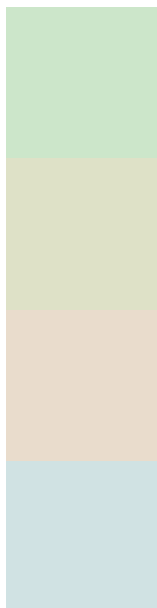
73.3326, 0.3460, 0.3394



## Tritanopia

73.5710, 0.2926, 0.3096

# Trichromacy



## Original Color

73.6953, 0.3126, 0.3607

## Protanomaly

73.5035, 0.3277, 0.3576

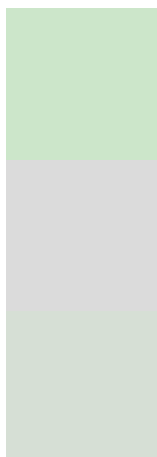
## Deuteranomaly

72.8697, 0.3331, 0.3462

## Tritanomaly

73.3487, 0.2998, 0.3279

# Monochromacy



## Original Color

73.6953, 0.3126, 0.3607

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

71.8756, 0.3129, 0.3401

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.6953, 0.3126, 0.3607 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(204, 230, 202)` looks like.

```
.text, #text, p{  
    color:rgb(204, 230, 202)  
}
```

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(204, 230, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 230, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 73.6953, 0.3126, 0.3607 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(204, 230, 202) }
```

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

```
.border{ border-color:rgb(204, 230, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 230, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 230, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 230, 202);  
box-shadow:4px 4px 4px 4px rgb(204, 230,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.6953, 0.3126, 0.3607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 230, 202) }
```

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

```
.background{ background-color: rgb(204,  
230, 202) }
```

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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