

# Converting Colors

$Y_{xy}(72.6082, 0.3138, 0.3570)$

Have a look what the booklet for  
Yxy(72.6082, 0.3138, 0.3570)  
contains.

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# Color

**Yxy(72.3718, 0.3135, 0.3562)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEE3CB
RGB	206, 227, 203
RGB Percent	81%, 89%, 80%
CMY	0.1923, 0.1098, 0.2039
CMYK	0.09, 0.00, 0.11, 0.11
HSL	113°, 30%, 84%
HSV	113°, 11%, 89%
XYZ	63.6961, 72.3718, 67.1095
YIQ	217.9850, -4.8120, -11.9160

# Conversions

## Conversions Part 2

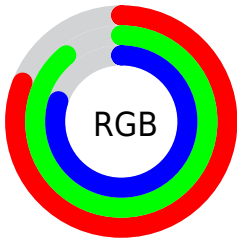
Format	Color
R <sub>Y</sub> B	203, 227, 224
Decimal	13558731
CIE Lab	88.15, -11.36, 9.36
CIE LCh	88, 14.719, 140.515
Yxy	72.3718, 0.3135, 0.3562
Android (android.graphics.Color)	4291748811 (0xFFCEE3CB)
YUV	217.9850, -7.3876, -10.5108
Hunter-Lab	85.0716, -15.2261, 12.7787

# Details

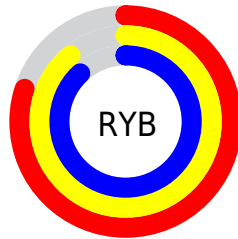
The Yxy color **72.3718, 0.3135, 0.3562** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.1108, 0.3117, 0.3029**, and the grayscale version is **70.1533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.3504, 0.3138, 0.3633** is the 20% darker color. If you saturate the color by 10%, you get **68.7024, 0.3140, 0.3852**, and if you desaturate by 10%, it is **76.5661, 0.3128, 0.3304**.

# Distribution



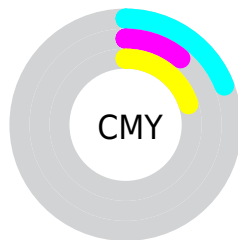
- Red (81%)
- Green (89%)
- Blue (80%)



- Red (80%)
- Yellow (89%)
- Blue (88%)



- Cyan (9%)
- Magenta (0%)
- Yellow (11%)
- Black (11%)




- Cyan (19%)
- Magenta (11%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.3718, 0.3135, 0.3562 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 72.3718, 0.3135, 0.3562 by changing the saturation by 10% instead.




 72.3718, 0.3135,  
0.3562

 72.3718, 0.3135,  
0.3562


468.8347, 0.3133,  
0.3434

 53.4625, 0.3135,  
0.3592


122.5850, 0.3134,  
0.3517

 38.1721, 0.3135,  
0.3629


154.6576, 0.3134,  
0.3500

 26.1163, 0.3135,  
0.3677


191.8868, 0.3134,  
0.3485

 16.9106, 0.3135,  
0.3741

234.6569, 0.3133,  
0.3472

 10.1708, 0.3134,  
0.3829

283.3523, 0.3133,  
0.3461

 5.5124, 0.3130,  
0.3961

338.3575, 0.3133,

 2.5509, 0.3119,

0.3451

400.0568, 0.3133,  
0.3442

0.4176

0.9020, 0.3205,  
0.4984

0.0000, 0.0000,  
0.0000

72.3718, 0.3135,  
0.3562

72.3718, 0.3135,  
0.3562

68.7024, 0.3140,  
0.3852

76.5661, 0.3128,  
0.3304

65.5282, 0.3143,  
0.4171

81.2950, 0.3119,  
0.3077

62.8308, 0.3141,  
0.4511

83.4252, 0.3140,  
0.3019

60.5870, 0.3134,  
0.4859

■ 58.7716, 0.3121,  
0.5196

■ 57.3570, 0.3102,  
0.5495

■ 56.3124, 0.3078,  
0.5734

■ 55.6020, 0.3051,  
0.5895

■ 55.1939, 0.3028,  
0.5978

# Harmonies

## Analogous

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



72.3718, 0.3309, 0.3604



72.3718, 0.3135, 0.3562



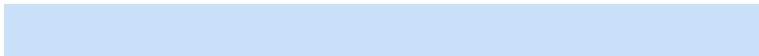
72.3718, 0.2963, 0.3441

# Triad

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



72.3718, 0.3135, 0.3562



72.3718, 0.2825, 0.3021



72.3718, 0.3425, 0.3291

# Complementary

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



72.3718, 0.3135, 0.3562



64.1108, 0.3117, 0.3029

# 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.



72.3718, 0.3289, 0.3145



72.3718, 0.3135, 0.3562



72.3718, 0.2942, 0.2991

# Square

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



72.3718, 0.3135, 0.3562



72.3718, 0.2787, 0.3124



72.3718, 0.3111, 0.3037

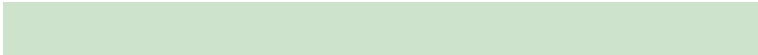


72.3718, 0.3479, 0.3441



# Rectangle

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



72.3718, 0.3135, 0.3562



72.3718, 0.2872, 0.3333



72.3718, 0.3111, 0.3037



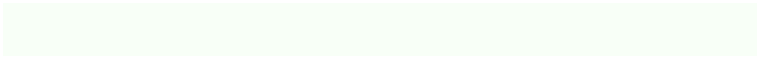
72.3718, 0.3387, 0.3240

# Sweetspot

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



72.3749, 0.3135, 0.3562



98.2680, 0.3130, 0.3364



73.8543, 0.3288, 0.3516



20.9366, 0.3130, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

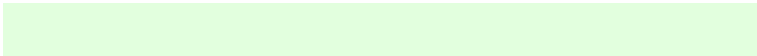


# Same Dimension

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



72.3749, 0.3135, 0.3562



92.9478, 0.3137, 0.3632



72.3849, 0.3059, 0.3462



16.1743, 0.3134, 0.3532



32.2121, 0.3033, 0.5974



2.4084, 0.3103, 0.5918



# Inverse Universe

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



64.1108, 0.3117, 0.3029



79.8721, 0.3114, 0.2965



64.1167, 0.3202, 0.3124



14.5199, 0.3118, 0.3057



10.3405, 0.2899, 0.1371

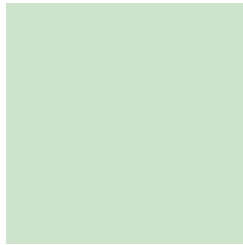


0.7897, 0.2947, 0.1397



# Previews

## White Background



This preview shows how the Yxy color 72.3718, 0.3135, 0.3562 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

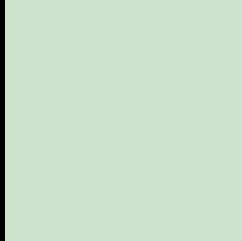
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.3718, 0.3135, 0.3562 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

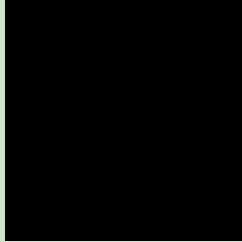
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

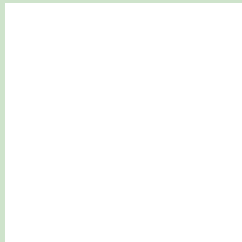
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 72.3718, 0.3135, 0.3562**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.3718, 0.3135, 0.3562.



This preview shows how white text looks on a background with the Yxy color 72.3718, 0.3135, 0.3562.

# 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

72.3718, 0.3135, 0.3562

### Protanopia

72.1329, 0.3343, 0.3518

### Deuteranopia

72.0012, 0.3441, 0.3364



## Tritanopia

72.4716, 0.2951, 0.3106

# Trichromacy



**Original Color**

72.3718, 0.3135, 0.3562

**Protanomaly**

72.3176, 0.3266, 0.3544

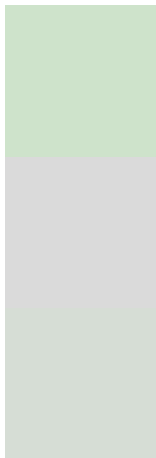
**Deuteranomaly**

71.8742, 0.3326, 0.3430

**Tritanomaly**

72.5039, 0.3018, 0.3268

# Monochromacy



**Original Color**

72.3718, 0.3135, 0.3562

**Achromatopsia**

70.1102, 0.3127, 0.3290

**Achromatomaly**

70.8131, 0.3130, 0.3379

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.3718, 0.3135, 0.3562 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(206, 227, 203)` looks like.

```
.text, #text, p{  
    color:rgb(206, 227, 203)  
}
```

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(206, 227, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 227, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 72.3718, 0.3135, 0.3562 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(206, 227, 203) }
```

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

```
.border{ border-color:rgb(206, 227, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 227, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 227, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 227, 203);  
box-shadow:4px 4px 4px 4px rgb(206, 227,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.3718, 0.3135, 0.3562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 227, 203) }
```

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

```
.background{ background-color: rgb(206,  
227, 203) }
```

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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