

Converting Colors

$Yxy(72.1859, 0.3108, 0.3540)$

Have a look what the booklet for
Yxy(72.1859, 0.3108, 0.3540)
contains.

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Color

Yxy(72.1833, 0.3109, 0.3540)

Conversions

Conversions Part 1

Format	Color
Hex	CCE3CD
RGB	204, 227, 205
RGB Percent	80%, 89%, 80%
CMY	0.1998, 0.1098, 0.1962
CMYK	0.10, 0.00, 0.10, 0.11
HSL	122°, 29%, 85%
HSV	122°, 10%, 89%
XYZ	63.3949, 72.1833, 68.3294
YIQ	217.6150, -6.6460, -11.7180

Conversions

Conversions Part 2

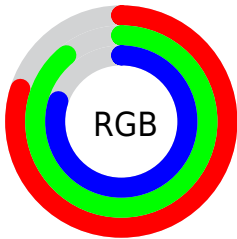
Format	Color
R_{YB}	204, 226, 227
Decimal	13427661
CIE _{Lab}	88.06, -11.66, 8.18
CIE _{LCh}	88, 14.243, 144.956
Yxy	72.1833, 0.3109, 0.3540
Android (android.graphics.Color)	4291617741 (0xFFCCE3CD)
YUV	217.6150, -6.2192, -11.9404
Hunter-Lab	84.9608, -15.4906, 11.7887

Details

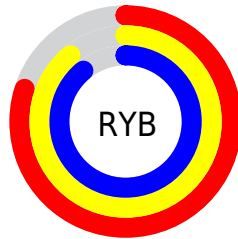
The Yxy color **72.1833, 0.3109, 0.3540** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.0292, 0.3145, 0.3052**, and the grayscale version is **69.8836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **38.2234, 0.3104, 0.3604** is the 20% darker color. If you saturate the color by 10%, you get **68.2289, 0.3090, 0.3821**, and if you desaturate by 10%, it is **76.7578, 0.3127, 0.3293**.

Distribution



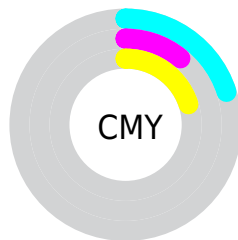
- Red (80%)
- Green (89%)
- Blue (80%)



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



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1833, 0.3109, 0.3540 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 72.1833, 0.3109, 0.3540 by changing the saturation by 10% instead.


 72.1833, 0.3109,
0.3540

 72.1833, 0.3109,
0.3540

468.1794, 0.3118,
0.3422

 53.3084, 0.3107,
0.3568


122.3171, 0.3112,
0.3499

 38.0490, 0.3103,
0.3602


154.3448, 0.3114,
0.3483

 26.0208, 0.3099,
0.3646

191.5256, 0.3115,
0.3469

 16.8392, 0.3093,
0.3704


234.2438, 0.3116,
0.3457

 10.1199, 0.3085,
0.3786

282.8839, 0.3117,
0.3447

 5.4785, 0.3070,
0.3907

337.8303, 0.3117,

 2.5307, 0.3044,

0.3438

0.4105

399.4673, 0.3118,
0.3429

0.8919, 0.3036,
0.4810

0.0000, 0.0000,
0.0000

72.1833, 0.3109,
0.3540

72.1833, 0.3109,
0.3540

68.2289, 0.3090,
0.3821

76.7578, 0.3127,
0.3293

64.8591, 0.3069,
0.4133

81.9676, 0.3143,
0.3078

62.0491, 0.3049,
0.4471

83.4172, 0.3140,
0.3019

59.7685, 0.3030,
0.4820

■ 57.9840, 0.3014,
0.5162

■ 56.6589, 0.3001,
0.5470

■ 55.7510, 0.2995,
0.5720

■ 55.2104, 0.2993,
0.5891

■ 54.9574, 0.2995,
0.5980

Harmonies

Analogous

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



72.1833, 0.3280, 0.3593



72.1833, 0.3109, 0.3540



72.1833, 0.2946, 0.3414

Triad

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



72.1833, 0.3109, 0.3540



72.1833, 0.2847, 0.3021



72.1833, 0.3429, 0.3313

Complementary

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



72.1833, 0.3109, 0.3540



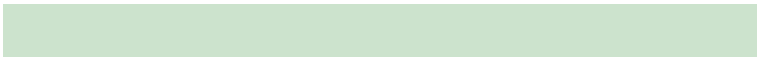
65.0292, 0.3145, 0.3052

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.



72.1833, 0.3307, 0.3169



72.1833, 0.3109, 0.3540



72.1833, 0.2970, 0.3003

Square

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



72.1833, 0.3109, 0.3540



72.1833, 0.2798, 0.3111



72.1833, 0.3138, 0.3057



72.1833, 0.3468, 0.3456

Rectangle

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



72.1833, 0.3109, 0.3540



72.1833, 0.2864, 0.3308



72.1833, 0.3138, 0.3057



72.1833, 0.3396, 0.3264

Sweetspot

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



72.1864, 0.3109, 0.3540



98.1141, 0.3122, 0.3361



75.5051, 0.3272, 0.3539



20.8953, 0.3120, 0.3381



0.0000, 0.0000, 0.0000



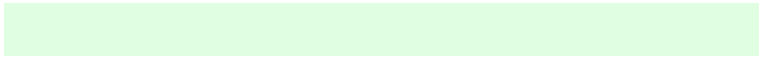
21.4041, 0.3127, 0.3290

Same Dimension

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



72.1864, 0.3109, 0.3540



92.9027, 0.3105, 0.3593



72.7526, 0.3038, 0.3410



16.0986, 0.3110, 0.3523



32.0560, 0.2993, 0.5973



2.3722, 0.2972, 0.5898

Inverse Universe

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



65.0292, 0.3145, 0.3052



81.9268, 0.3149, 0.3005



64.4282, 0.3227, 0.3173



14.6046, 0.3144, 0.3068



12.4741, 0.3313, 0.1599



0.9250, 0.3297, 0.1590

Previews

White Background



This preview shows how the Yxy color 72.1833, 0.3109, 0.3540 looks on a white background.

Color Contrast Check

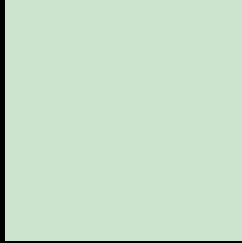
Large Text (above 18pt) WCAG AA × Fail

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 72.1833, 0.3109, 0.3540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

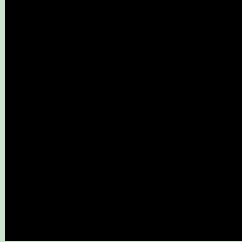
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

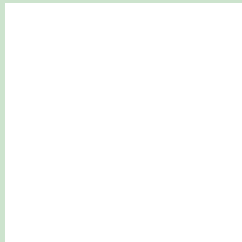
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.1833, 0.3109, 0.3540

Background



This preview shows how black text looks on a background with the Yxy color 72.1833, 0.3109, 0.3540.

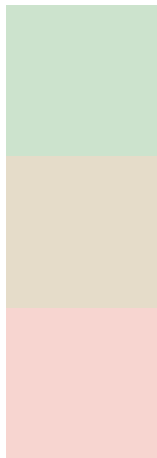


This preview shows how white text looks on a background with the Yxy color 72.1833, 0.3109, 0.3540.

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

72.1833, 0.3109, 0.3540

Protanopia

72.0615, 0.3322, 0.3497

Deuteranopia

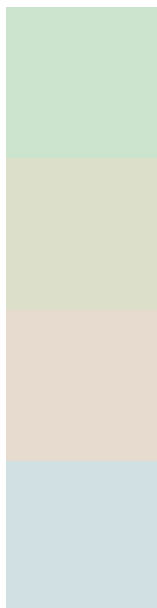
71.9167, 0.3418, 0.3343



Tritanopia

72.2355, 0.2931, 0.3094

Trichromacy



Original Color

72.1833, 0.3109, 0.3540

Protanomaly

72.2553, 0.3245, 0.3522

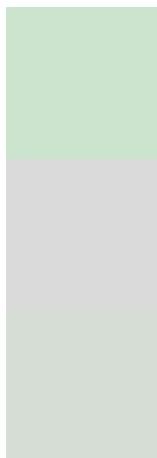
Deuteranomaly

71.6367, 0.3297, 0.3409

Tritanomaly

72.2673, 0.2998, 0.3257

Monochromacy



Original Color

72.1833, 0.3109, 0.3540

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

70.6631, 0.3123, 0.3379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.1833, 0.3109, 0.3540 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, 227, 205)` looks like.

```
.text, #text, p{  
    color:rgb(204, 227, 205)  
}
```

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, 227, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 227, 205) }
```

Border

The CSS property to change the border of an element to Yxy 72.1833, 0.3109, 0.3540 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, 227, 205) }
```

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

```
.border{ border-color:rgb(204, 227, 205) }
```

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

Here you see how a box with a 4 pixel rgb(204, 227, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 227, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 227, 205);  
box-shadow:4px 4px 4px 4px rgb(204, 227,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 72.1833, 0.3109, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 227, 205) }
```

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

```
.background{ background-color: rgb(204,  
227, 205) }
```

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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