

Converting Colors

$Yxy(66.6033, 0.2954, 0.3375)$

Have a look what the booklet for
Yxy(66.6033, 0.2954, 0.3375)
contains.

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Color

Yxy(66.6819, 0.2950, 0.3372)

Conversions

Conversions Part 1

Format	Color
Hex	BCDCD5
RGB	188, 220, 213
RGB Percent	74%, 86%, 84%
CMY	0.2628, 0.1372, 0.1648
CMYK	0.15, 0.00, 0.03, 0.14
HSL	167°, 31%, 80%
HSV	167°, 15%, 86%
XYZ	58.3368, 66.6819, 72.7331
YIQ	209.6340, -16.8250, -8.9610

Conversions

Conversions Part 2

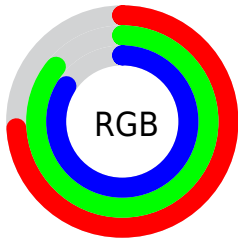
Format	Color
R _{YB}	188, 206, 220
Decimal	12377301
CIE Lab	85.34, -11.91, -0.10
CIE LCh	85, 11.906, 180.493
Yxy	66.6819, 0.2950, 0.3372
Android (android.graphics.Color)	4290567381 (0xFFBCDCD5)
YUV	209.6340, 1.6594, -18.9730
Hunter-Lab	81.6590, -15.3837, 4.3521

Details

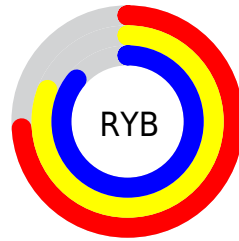
The Yxy color **66.6819, 0.2950, 0.3372** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.1170, 0.3340, 0.3210**, and the grayscale version is **64.1924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **34.4472, 0.2907, 0.3399** is the 20% darker color. If you saturate the color by 10%, you get **63.8589, 0.2836, 0.3435**, and if you desaturate by 10%, it is **69.9437, 0.3071, 0.3314**.

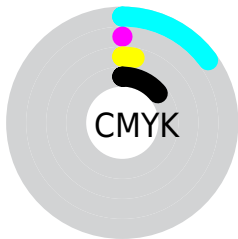
Distribution



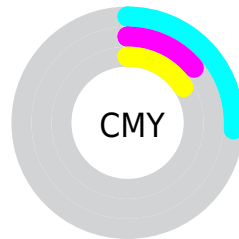
- Red (74%)
- Green (86%)
- Blue (84%)



- Red (74%)
- Yellow (81%)
- Blue (86%)



- Cyan (15%)
- Magenta (0%)
- Yellow (3%)
- Black (14%)





- Cyan (26%)
- Magenta (14%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6819, 0.2950, 0.3372 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 66.6819, 0.2950, 0.3372 by changing the saturation by 10% instead.


 66.6819, 0.2950,
0.3372

 66.6819, 0.2950,
0.3372

448.8116, 0.3033,
0.3334

 48.8262, 0.2931,
0.3381


 114.4645, 0.2979,
0.3359

 34.4816, 0.2907,
0.3392


145.1601, 0.2990,
0.3353

 23.2638, 0.2876,
0.3406

180.9045, 0.3000,
0.3349

 14.7884, 0.2835,
0.3425

222.0821, 0.3008,
0.3345

 8.6710, 0.2779,
0.3451

269.0772, 0.3016,
0.3342

 4.5272, 0.2695,
0.3489

322.2742, 0.3022,

 1.9726, 0.2559,

0.3339

382.0576, 0.3028,
0.3336

0.3551

0.5915, 0.1793,
0.3906

0.0000, 0.0000,
0.0000

66.6819, 0.2950,
0.3372

66.6819, 0.2950,
0.3372

63.8589, 0.2836,
0.3435

69.9437, 0.3071,
0.3314

61.4471, 0.2732,
0.3503

73.6540, 0.3195,
0.3262

59.4284, 0.2640,
0.3576

77.8326, 0.3322,
0.3216

57.7804, 0.2563,
0.3653

78.2957, 0.3296,
0.3168

■ 56.4780, 0.2505,
0.3732

■ 78.5744, 0.3263,
0.3121

■ 55.4933, 0.2465,
0.3813

■ 78.8607, 0.3230,
0.3074

■ 54.7938, 0.2445,
0.3894

■ 79.1548, 0.3197,
0.3028

■ 54.3399, 0.2445,
0.3975

■ 79.4565, 0.3165,
0.2982

■ 54.1601, 0.2450,
0.4019

■ 79.6725, 0.3143,
0.2950

Harmonies

Analogous

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



66.6819, 0.3085, 0.3488



66.6819, 0.2950, 0.3372



66.6819, 0.2864, 0.3235

Triad

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



66.6819, 0.2950, 0.3372



66.6819, 0.3017, 0.3046



66.6819, 0.3416, 0.3453

Complementary

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



66.6819, 0.2950, 0.3372



55.1170, 0.3340, 0.3210

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.



66.6819, 0.3398, 0.3335



66.6819, 0.2950, 0.3372



66.6819, 0.3165, 0.3104

Square

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



66.6819, 0.2950, 0.3372



66.6819, 0.2902, 0.3051



66.6819, 0.3305, 0.3208



66.6819, 0.3355, 0.3532

Rectangle

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



66.6819, 0.2950, 0.3372



66.6819, 0.2844, 0.3153



66.6819, 0.3305, 0.3208



66.6819, 0.3419, 0.3417

Sweetspot

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



66.6847, 0.2950, 0.3372



97.9731, 0.3077, 0.3312



66.4854, 0.3163, 0.3670



20.8912, 0.3068, 0.3316



0.0000, 0.0000, 0.0000



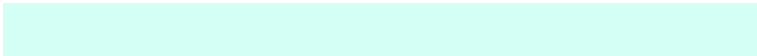
21.4041, 0.3127, 0.3290

Same Dimension

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



66.6847, 0.2950, 0.3372



92.0873, 0.2920, 0.3388



62.6796, 0.2903, 0.3189



14.7781, 0.3011, 0.3342



31.7995, 0.2446, 0.4006



2.0725, 0.2410, 0.3875

Inverse Universe

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



55.1170, 0.3340, 0.3210



73.4015, 0.3385, 0.3195



58.5639, 0.3383, 0.3389



13.0981, 0.3257, 0.3239



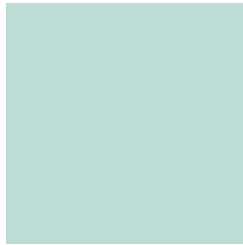
9.0703, 0.6011, 0.3085



0.6006, 0.5551, 0.2831

Previews

White Background



This preview shows how the Yxy color 66.6819, 0.2950, 0.3372 looks on a white background.

Color Contrast Check

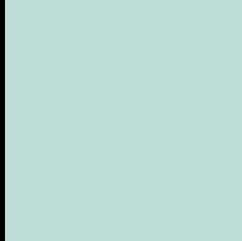
Large Text (above 18pt) WCAG AA × Fail

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 66.6819, 0.2950, 0.3372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

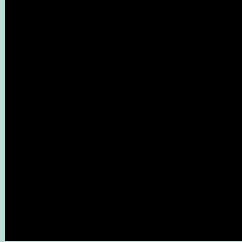
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

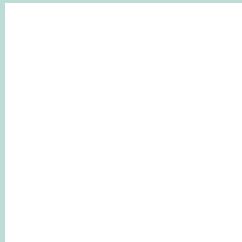
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.6819, 0.2950, 0.3372

Background



This preview shows how black text looks on a background with the Yxy color 66.6819, 0.2950, 0.3372.

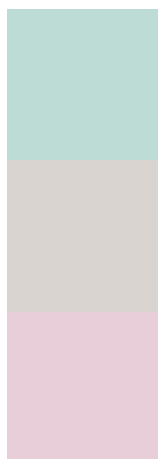


This preview shows how white text looks on a background with the Yxy color 66.6819, 0.2950, 0.3372.

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

66.6819, 0.2950, 0.3372

Protanopia

66.5465, 0.3199, 0.3335

Deuteranopia

66.2563, 0.3254, 0.3183



Tritanopia

66.7727, 0.2847, 0.3096

Trichromacy



Original Color

66.6819, 0.2950, 0.3372

Protanomaly

66.5194, 0.3103, 0.3347

Deuteranomaly

66.0938, 0.3137, 0.3245

Tritanomaly

66.7102, 0.2889, 0.3197

Monochromacy



Original Color

66.6819, 0.2950, 0.3372

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.3528, 0.3060, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6819, 0.2950, 0.3372 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(188, 220, 213)` looks like.

```
.text, #text, p{  
    color:rgb(188, 220, 213)  
}
```

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(188, 220, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 220, 213) }
```

Border

The CSS property to change the border of an element to Yxy 66.6819, 0.2950, 0.3372 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(188, 220, 213) }
```

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

```
.border{ border-color:rgb(188, 220, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 220, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 220, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 220, 213);  
box-shadow:4px 4px 4px 4px rgb(188, 220,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6819, 0.2950, 0.3372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 220, 213) }
```

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

```
.background{ background-color: rgb(188,  
220, 213) }
```

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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