

Converting Colors

Yxy(68.6968, 0.3016, 0.3409)

Have a look what the booklet for
Yxy(68.6968, 0.3016, 0.3409)
contains.

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Color

Yxy(68.7318, 0.3011, 0.3405)

Conversions

Conversions Part 1

Format	Color
Hex	C4DED4
RGB	196, 222, 212
RGB Percent	77%, 87%, 83%
CMY	0.2312, 0.1294, 0.1687
CMYK	0.12, 0.00, 0.05, 0.13
HSL	157°, 28%, 82%
HSV	157°, 12%, 87%
XYZ	60.7787, 68.7318, 72.3450
YIQ	213.0860, -12.2860, -8.6220

Conversions

Conversions Part 2

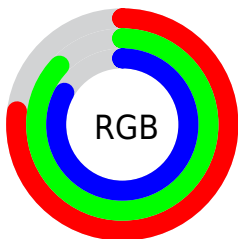
Format	Color
RYB	196, 212, 222
Decimal	12902100
CIELab	86.37, -10.49, 1.98
CIELCh	86, 10.675, 169.302
Yxy	68.7318, 0.3011, 0.3405
Android (android.graphics.Color)	4291092180 (0xFFC4DED4)
YUV	213.0860, -0.5354, -14.9844
Hunter-Lab	82.9046, -14.2220, 6.2951

Details

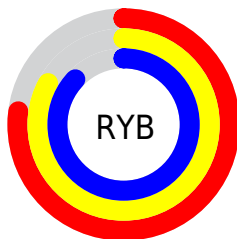
The Yxy color **68.7318, 0.3011, 0.3405** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.4904, 0.3260, 0.3178**, and the grayscale version is **66.6166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **35.8225, 0.2985, 0.3443** is the 20% darker color. If you saturate the color by 10%, you get **65.5532, 0.2916, 0.3515**, and if you desaturate by 10%, it is **72.3796, 0.3110, 0.3306**.

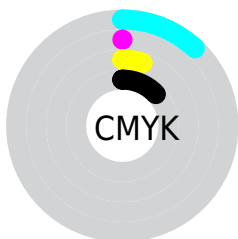
Distribution



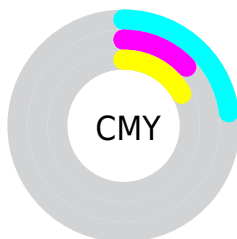
- Red (77%)
- Green (87%)
- Blue (83%)



- Red (77%)
- Yellow (83%)
- Blue (87%)



- Cyan (12%)
- Magenta (0%)
- Yellow (5%)
- Black (13%)



- Cyan (23%)
- Magenta (13%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.7318, 0.3011, 0.3405 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 68.7318, 0.3011, 0.3405 by changing the saturation by 10% instead.

■ 68.7318, 0.3011,
0.3405

■ 68.7318, 0.3011,
0.3405

456.0845, 0.3066,
0.3351

■ 50.4933, 0.2998,
0.3418

117.3984, 0.3030,
0.3386

■ 35.8055, 0.2983,
0.3433

148.5954, 0.3037,
0.3379

■ 24.2840, 0.2962,
0.3454

184.8806, 0.3044,
0.3372

■ 15.5445, 0.2936,
0.3480

226.6384, 0.3049,
0.3367

■ 9.2024, 0.2899,
0.3518

274.2534, 0.3054,
0.3362

■ 4.8734, 0.2844,
0.3573

328.1098, 0.3058,

■ 2.1732, 0.2755,

0.3358

0.3665

388.5920, 0.3062,
0.3354

0.7053, 0.2369,
0.4032

0.0000, 0.0000,
0.0000

68.7318, 0.3011,
0.3405

68.7318, 0.3011,
0.3405

65.5532, 0.2916,
0.3515

72.3796, 0.3110,
0.3306

62.8155, 0.2827,
0.3636


76.5062, 0.3211,
0.3217


60.5005, 0.2748,
0.3767


79.6523, 0.3257,
0.3135

58.5854, 0.2682,
0.3906


80.1664, 0.3200,
0.3053


 57.0451, 0.2632,
0.4052


 80.7047, 0.3144,
0.2972

 55.8518, 0.2600,
0.4202

 80.7189, 0.3142,
0.2970

 54.9733, 0.2589,
0.4353

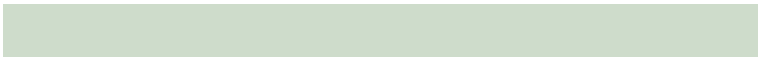
 54.3714, 0.2598,
0.4501

 54.0284, 0.2617,
0.4622

Harmonies

Analogous

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



68.7318, 0.3139, 0.3491



68.7318, 0.3011, 0.3405



68.7318, 0.2915, 0.3287

Triad

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



68.7318, 0.3011, 0.3405



68.7318, 0.2986, 0.3068



68.7318, 0.3386, 0.3399

Complementary

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



68.7318, 0.3011, 0.3405



59.4904, 0.3260, 0.3178

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.



68.7318, 0.3344, 0.3287



68.7318, 0.3011, 0.3405



68.7318, 0.3111, 0.3099

Square

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



68.7318, 0.3011, 0.3405



68.7318, 0.2901, 0.3094



68.7318, 0.3242, 0.3179



68.7318, 0.3357, 0.3485

Rectangle

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



68.7318, 0.3011, 0.3405



68.7318, 0.2881, 0.3208



68.7318, 0.3242, 0.3179



68.7318, 0.3380, 0.3363

Sweetspot

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



68.7347, 0.3011, 0.3405



97.8659, 0.3087, 0.3328



69.4099, 0.3187, 0.3588



20.8640, 0.3079, 0.3335



0.0000, 0.0000, 0.0000



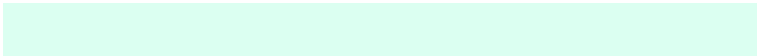
21.4041, 0.3127, 0.3290

Same Dimension

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



68.7347, 0.3011, 0.3405



92.9918, 0.2987, 0.3431



67.8877, 0.2948, 0.3260



15.4781, 0.3033, 0.3382



32.1164, 0.2611, 0.4601



2.2435, 0.2549, 0.4375

Inverse Universe

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



59.4904, 0.3260, 0.3178



77.9664, 0.3291, 0.3154



60.2004, 0.3333, 0.3320



13.7876, 0.3232, 0.3200



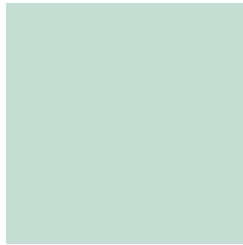
9.6395, 0.5428, 0.2764



0.6853, 0.5013, 0.2535

Previews

White Background



This preview shows how the Yxy color 68.7318, 0.3011, 0.3405 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 68.7318, 0.3011, 0.3405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

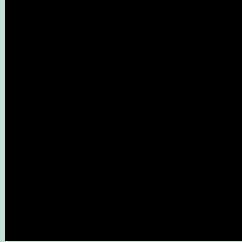
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

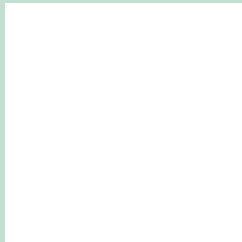
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.7318, 0.3011, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 68.7318, 0.3011, 0.3405.

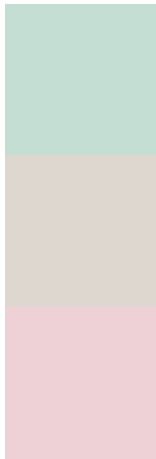


This preview shows how white text looks on a background with the Yxy color 68.7318, 0.3011, 0.3405.

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

68.7318, 0.3011, 0.3405

Protanopia

68.5271, 0.3219, 0.3368

Deuteranopia

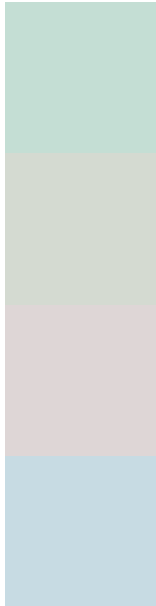
68.5117, 0.3296, 0.3227



Tritanopia

68.4783, 0.2888, 0.3089

Trichromacy



Original Color

68.7318, 0.3011, 0.3405

Protanomaly

68.7433, 0.3144, 0.3391

Deuteranomaly

68.4778, 0.3186, 0.3290

Tritanomaly

68.3512, 0.2937, 0.3199

Monochromacy



Original Color

68.7318, 0.3011, 0.3405

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.1812, 0.3082, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7318, 0.3011, 0.3405 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(196, 222, 212)` looks like.

```
.text, #text, p{  
    color:rgb(196, 222, 212)  
}
```

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(196, 222, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 222, 212) }
```

Border

The CSS property to change the border of an element to Yxy 68.7318, 0.3011, 0.3405 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(196, 222, 212) }
```

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

```
.border{ border-color:rgb(196, 222, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 222, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 222, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 222, 212); box-shadow:4px 4px 4px 4px rgb(196, 222, 212) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7318, 0.3011, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 222, 212) }
```

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

```
.background{ background-color: rgb(196,  
222, 212) }
```

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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