

Converting Colors

Yxy(68.1110, 0.3049, 0.3341)

Have a look what the booklet for
Yxy(68.1110, 0.3049, 0.3341)
contains.

Yxy(68.2146, 0.3047, 0.3347)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.2146, 0.3047, 0.3347)

Conversions

Conversions Part 1

Format	Color
Hex	CBDBD6
RGB	203, 219, 214
RGB Percent	80%, 86%, 84%
CMY	0.2038, 0.1412, 0.1609
CMYK	0.07, 0.00, 0.02, 0.14
HSL	161°, 18%, 83%
HSV	161°, 7%, 86%
XYZ	62.1004, 68.2146, 73.4932
YIQ	213.6460, -7.9310, -4.9470

Conversions

Conversions Part 2

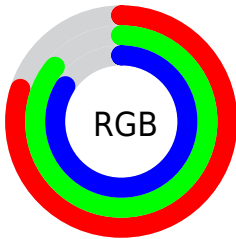
Format	Color
R _Y B	203, 212, 219
Decimal	13360086
CIE Lab	86.11, -6.28, 0.62
CIE LCh	86, 6.310, 174.369
Yxy	68.2146, 0.3047, 0.3347
Android (android.graphics.Color)	4291550166 (0xFFCDBDD6)
YUV	213.6460, 0.1745, -9.3365
Hunter-Lab	82.5921, -10.3235, 5.0563

Details

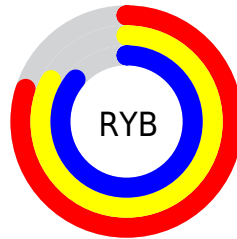
The Yxy color **68.2146, 0.3047, 0.3347** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.3424, 0.3214, 0.3234**, and the grayscale version is **67.0011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **35.4437, 0.3031, 0.3365** is the 20% darker color. If you saturate the color by 10%, you get **65.0115, 0.2940, 0.3433**, and if you desaturate by 10%, it is **71.8727, 0.3157, 0.3270**.

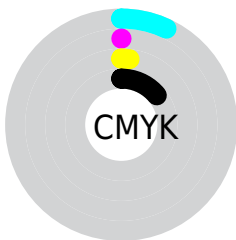
Distribution



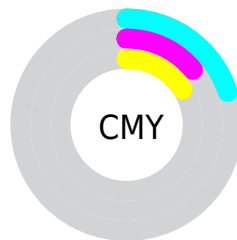
- Red (80%)
- Green (86%)
- Blue (84%)



- Red (80%)
- Yellow (83%)
- Blue (86%)



- Cyan (7%)
- Magenta (0%)
- Yellow (2%)
- Black (14%)



- Cyan (20%)
- Magenta (14%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2146, 0.3047, 0.3347 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 68.2146, 0.3047, 0.3347 by changing the saturation by 10% instead.

■ 68.2146, 0.3047,
0.3347

■ 68.2146, 0.3047,
0.3347

454.2560, 0.3085,
0.3320

■ 50.0723, 0.3038,
0.3353

116.6591, 0.3060,
0.3338

■ 35.4709, 0.3027,
0.3361

147.7301, 0.3065,
0.3334

■ 24.0258, 0.3014,
0.3371

183.8795, 0.3070,
0.3331

■ 15.3528, 0.2995,
0.3384

225.4917, 0.3073,
0.3328

■ 9.0673, 0.2970,
0.3402

272.9510, 0.3077,
0.3326

■ 4.7851, 0.2932,
0.3429

326.6419, 0.3080,

■ 2.1218, 0.2872,

0.3324

0.3473

386.9488, 0.3082,
0.3322

0.6768, 0.2634,
0.3638

0.0000, 0.0000,
0.0000

68.2146, 0.3047,
0.3347

68.2146, 0.3047,
0.3347

65.0115, 0.2940,
0.3433

71.8727, 0.3157,
0.3270

62.2365, 0.2840,
0.3526


75.9944, 0.3269,
0.3201

59.8729, 0.2749,
0.3628


77.9013, 0.3280,
0.3135

57.8995, 0.2670,
0.3737

78.3067, 0.3233,
0.3068


 56.2934, 0.2606,
0.3852

 78.7278, 0.3187,
0.3002

 55.0290, 0.2560,
0.3970

 79.1433, 0.3144,
0.2940

 54.0775, 0.2534,
0.4091

 53.4050, 0.2528,
0.4212

 52.9665, 0.2540,
0.4331

Harmonies

Analogous

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



68.2146, 0.3122, 0.3402



68.2146, 0.3047, 0.3347



68.2146, 0.2994, 0.3277

Triad

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



68.2146, 0.3047, 0.3347



68.2146, 0.3055, 0.3158



68.2146, 0.3280, 0.3366

Complementary

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



68.2146, 0.3047, 0.3347



62.3424, 0.3214, 0.3234

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.



68.2146, 0.3262, 0.3301



68.2146, 0.3047, 0.3347



68.2146, 0.3131, 0.3182

Square

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



68.2146, 0.3047, 0.3347



68.2146, 0.2999, 0.3169



68.2146, 0.3207, 0.3234



68.2146, 0.3257, 0.3412

Rectangle

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



68.2146, 0.3047, 0.3347



68.2146, 0.2978, 0.3232



68.2146, 0.3207, 0.3234



68.2146, 0.3279, 0.3346

Sweetspot

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



68.2175, 0.3047, 0.3347



98.9426, 0.3105, 0.3305



68.3989, 0.3155, 0.3472



21.1889, 0.3106, 0.3305



0.0000, 0.0000, 0.0000



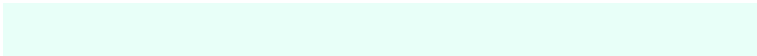
21.4041, 0.3127, 0.3290

Same Dimension

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



68.2175, 0.3047, 0.3347



95.4476, 0.3028, 0.3362



66.9638, 0.3015, 0.3256



14.7562, 0.3024, 0.3365



31.3685, 0.2540, 0.4345



2.0475, 0.2486, 0.4151

Inverse Universe

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



62.3424, 0.3214, 0.3234



85.2495, 0.3238, 0.3220



63.4952, 0.3248, 0.3323



13.1187, 0.3242, 0.3217



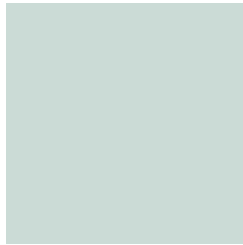
9.2017, 0.5698, 0.2913



0.6115, 0.5232, 0.2656

Previews

White Background



This preview shows how the Yxy color 68.2146, 0.3047, 0.3347 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 68.2146, 0.3047, 0.3347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

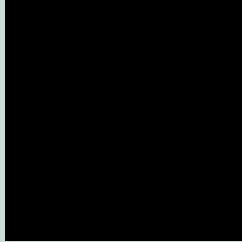
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

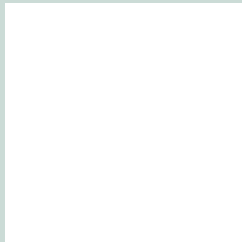
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.2146, 0.3047, 0.3347

Background



This preview shows how black text looks on a background with the Yxy color 68.2146, 0.3047, 0.3347.



This preview shows how white text looks on a background with the Yxy color 68.2146, 0.3047, 0.3347.

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

68.2146, 0.3047, 0.3347

Protanopia

68.0119, 0.3192, 0.3323

Deuteranopia

67.7318, 0.3275, 0.3205



Tritanopia

68.1167, 0.2946, 0.3101

Trichromacy



Original Color

68.2146, 0.3047, 0.3347

Protanomaly

68.1613, 0.3140, 0.3335

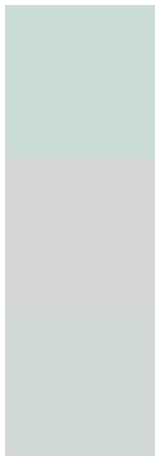
Deuteranomaly

67.6812, 0.3188, 0.3257

Tritanomaly

68.0958, 0.2984, 0.3189

Monochromacy



Original Color

68.2146, 0.3047, 0.3347

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.6684, 0.3097, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2146, 0.3047, 0.3347 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(203, 219, 214)` looks like.

```
.text, #text, p{  
    color:rgb(203, 219, 214)  
}
```

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(203, 219, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 219, 214) }
```

Border

The CSS property to change the border of an element to Yxy 68.2146, 0.3047, 0.3347 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(203, 219, 214) }
```

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

```
.border{ border-color:rgb(203, 219, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 219, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 219, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 219, 214);  
box-shadow:4px 4px 4px 4px rgb(203, 219,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2146, 0.3047, 0.3347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 219, 214) }
```

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

```
.background{ background-color: rgb(203,  
219, 214) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor