

Converting Colors

$Yxy(68.0352, 0.2817, 0.3152)$

Have a look what the booklet for
Yxy(68.0352, 0.2817, 0.3152)
contains.

Yxy(68.0352, 0.2817, 0.3152)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.0352, 0.2817, 0.3152)

Conversions

Conversions Part 1

Format	Color
Hex	BADDE9
RGB	186, 221, 233
RGB Percent	73%, 87%, 91%
CMY	0.2708, 0.1333, 0.0863
CMYK	0.20, 0.05, 0.00, 0.09
HSL	195°, 52%, 82%
HSV	195°, 20%, 91%
XYZ	60.8043, 68.0352, 87.0082
YIQ	211.9030, -24.7120, -3.6880

Conversions

Conversions Part 2

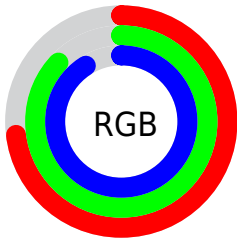
Format	Color
R _Y B	186, 206, 233
Decimal	12246505
CIE Lab	86.02, -8.93, -9.69
CIE LCh	86, 13.179, 227.329
Yxy	68.0352, 0.2817, 0.3152
Android (android.graphics.Color)	4290436585 (0xFFBADDE9)
YUV	211.9030, 10.4008, -22.7169
Hunter-Lab	82.4835, -12.7613, -4.8040

Details

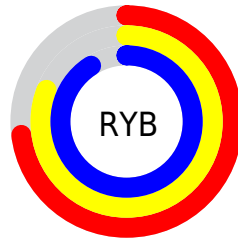
The Yxy color **68.0352, 0.2817, 0.3152** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.2201, 0.3503, 0.3424**, and the grayscale version is **65.7086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **35.3523, 0.2746, 0.3122** is the 20% darker color. If you saturate the color by 10%, you get **62.2779, 0.2669, 0.3074**, and if you desaturate by 10%, it is **74.3844, 0.2970, 0.3224**.

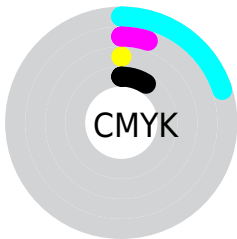
Distribution



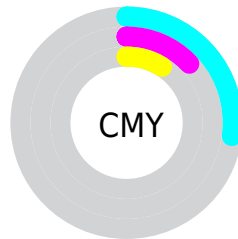
- Red (73%)
- Green (87%)
- Blue (91%)



- Red (73%)
- Yellow (81%)
- Blue (91%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)



- Cyan (27%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0352, 0.2817, 0.3152 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 68.0352, 0.2817, 0.3152 by changing the saturation by 10% instead.

■ 68.0352, 0.2817,
0.3152

■ 68.0352, 0.2817,
0.3152

453.6207, 0.2961,
0.3218

■ 49.9264, 0.2784,
0.3136

■ 116.4025, 0.2867,
0.3175

■ 35.3549, 0.2743,
0.3117

147.4298, 0.2886,
0.3184

■ 23.9364, 0.2692,
0.3091

183.5319, 0.2903,
0.3192

■ 15.2864, 0.2624,
0.3057

225.0935, 0.2918,
0.3199

■ 9.0207, 0.2532,
0.3010

272.4987, 0.2930,
0.3205

■ 4.7547, 0.2400,
0.2938

326.1321, 0.2942,

■ 2.1040, 0.2193,

0.3210

0.2820

386.3779, 0.2952,
0.3214

0.6669, 0.1627,
0.2609

0.0000, 0.0000,
0.0000

68.0352, 0.2817,
0.3152

68.0352, 0.2817,
0.3152

62.2779, 0.2669,
0.3074

74.3844, 0.2970,
0.3224

57.0800, 0.2528,
0.2990

81.3398, 0.3124,
0.3289

52.4182, 0.2398,
0.2901

88.7632, 0.3272,
0.3348

48.2640, 0.2283,
0.2809

92.2892, 0.3266,
0.3405

■ 44.5857, 0.2185,
0.2714

■ 95.9302, 0.3260,
0.3462

■ 41.3472, 0.2107,
0.2618

■ 98.6625, 0.3256,
0.3503

■ 38.5057, 0.2049,
0.2522

■ 36.0327, 0.2008,
0.2430

Harmonies

Analogous

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



68.0352, 0.2871, 0.3295



68.0352, 0.2817, 0.3152



68.0352, 0.2843, 0.3051

Triad

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



68.0352, 0.2817, 0.3152



68.0352, 0.3259, 0.3145



68.0352, 0.3308, 0.3576

Complementary

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



68.0352, 0.2817, 0.3152



61.2201, 0.3503, 0.3424

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.



68.0352, 0.3417, 0.3526



68.0352, 0.2817, 0.3152



68.0352, 0.3389, 0.3277

Square

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



68.0352, 0.2817, 0.3152



68.0352, 0.3096, 0.3051



68.0352, 0.3448, 0.3415



68.0352, 0.3152, 0.3546

Rectangle

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



68.0352, 0.2817, 0.3152



68.0352, 0.2903, 0.3020



68.0352, 0.3448, 0.3415



68.0352, 0.3352, 0.3567

Sweetspot

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



68.0380, 0.2817, 0.3152



94.7532, 0.3034, 0.3252



72.7688, 0.3030, 0.3704



20.1624, 0.3024, 0.3247



0.0000, 0.0000, 0.0000



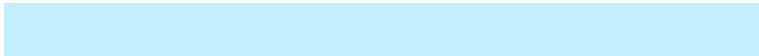
21.4041, 0.3127, 0.3290

Same Dimension

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



68.0380, 0.2817, 0.3152



80.6435, 0.2758, 0.3122



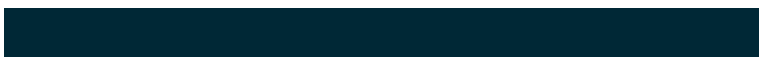
56.5739, 0.2799, 0.2875



16.4350, 0.2981, 0.3229



20.6568, 0.2013, 0.2445



1.7743, 0.2049, 0.2576

Inverse Universe

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



57.6425, 0.3242, 0.2911



66.0116, 0.3269, 0.2835



72.6995, 0.3454, 0.3673



15.2445, 0.3177, 0.3116



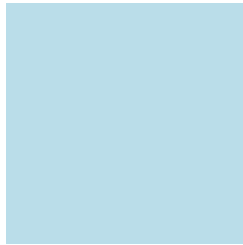
11.5781, 0.3978, 0.1965



0.9245, 0.3848, 0.1893

Previews

White Background



This preview shows how the Yxy color 68.0352, 0.2817, 0.3152 looks on a white background.

Color Contrast Check

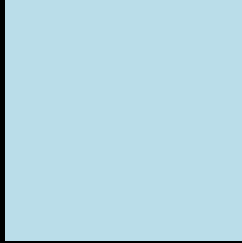
Large Text (above 18pt) WCAG AA × Fail

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 68.0352, 0.2817, 0.3152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

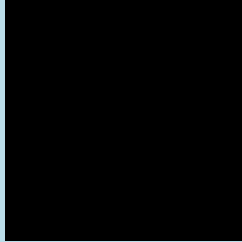
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.0352, 0.2817, 0.3152

Background



This preview shows how black text looks on a background with the Yxy color 68.0352, 0.2817, 0.3152.

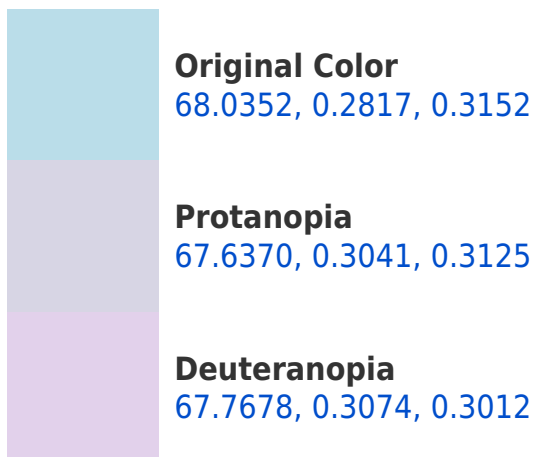


This preview shows how white text looks on a background with the Yxy color 68.0352, 0.2817, 0.3152.

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

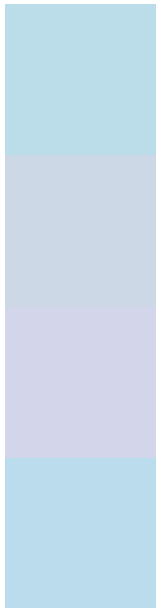




Tritanopia

67.9242, 0.2794, 0.3085

Trichromacy



Original Color

68.0352, 0.2817, 0.3152

Protanomaly

67.6623, 0.2951, 0.3133

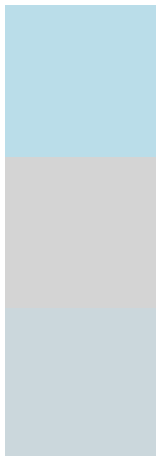
Deuteranomaly

67.3779, 0.2974, 0.3059

Tritanomaly

67.8073, 0.2805, 0.3107

Monochromacy



Original Color

68.0352, 0.2817, 0.3152

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.4647, 0.3008, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0352, 0.2817, 0.3152 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(186, 221, 233)` looks like.

```
.text, #text, p{  
    color:rgb(186, 221, 233)  
}
```

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(186, 221, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 221, 233) }
```

Border

The CSS property to change the border of an element to Yxy 68.0352, 0.2817, 0.3152 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(186, 221, 233) }
```

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

```
.border{ border-color:rgb(186, 221, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 221, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 221, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 221, 233);  
box-shadow:4px 4px 4px 4px rgb(186, 221,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0352, 0.2817, 0.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 221, 233) }
```

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

```
.background{ background-color: rgb(186,  
221, 233) }
```

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