

Converting Colors

$Yxy(67.6447, 0.2843, 0.3125)$

Have a look what the booklet for
Yxy(67.6447, 0.2843, 0.3125)
contains.

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Color

Yxy(67.6226, 0.2848, 0.3130)

Conversions

Conversions Part 1

Format	Color
Hex	BFD8E9
RGB	191, 219, 233
RGB Percent	75%, 86%, 91%
CMY	0.2509, 0.1412, 0.0863
CMYK	0.18, 0.06, 0.00, 0.09
HSL	200°, 49%, 83%
HSV	200°, 18%, 91%
XYZ	61.5301, 67.6226, 86.8940
YIQ	212.2240, -21.1820, -1.5820

Conversions

Conversions Part 2

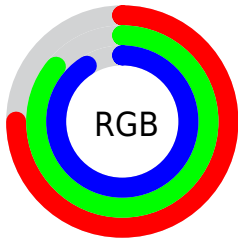
Format	Color
RYB	191, 208, 233
Decimal	12573673
CIELab	85.82, -6.33, -9.97
CIELCh	86, 11.808, 237.557
Yxy	67.6226, 0.2848, 0.3130
Android (android.graphics.Color)	4290763753 (0xFFBFDBE9)
YUV	212.2240, 10.2426, -18.6134
Hunter-Lab	82.2330, -10.3466, -5.0875

Details

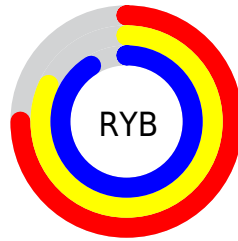
The Yxy color **67.6226, 0.2848, 0.3130** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.7615, 0.3449, 0.3445**, and the grayscale version is **65.9409, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **35.0436, 0.2783, 0.3094** is the 20% darker color. If you saturate the color by 10%, you get **60.8797, 0.2694, 0.3029**, and if you desaturate by 10%, it is **75.0409, 0.3004, 0.3222**.

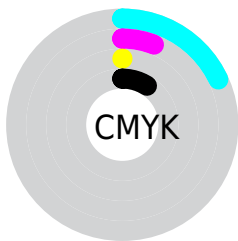
Distribution



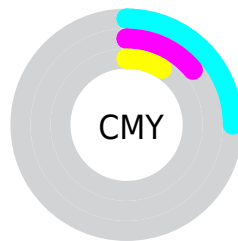
- Red (75%)
- Green (86%)
- Blue (91%)



- Red (75%)
- Yellow (82%)
- Blue (91%)



- Cyan (18%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)



- Cyan (25%)
- Magenta (14%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6226, 0.2848, 0.3130 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 67.6226, 0.2848, 0.3130 by changing the saturation by 10% instead.

■ 67.6226, 0.2848,
0.3130

■ 67.6226, 0.2848,
0.3130

■ 452.1577, 0.2978,
0.3206

■ 49.5908, 0.2818,
0.3112

■ 115.8121, 0.2893,
0.3157

■ 35.0883, 0.2781,
0.3090

■ 146.7385, 0.2911,
0.3167

■ 23.7309, 0.2735,
0.3061

■ 182.7319, 0.2926,
0.3176

■ 15.1341, 0.2673,
0.3023

■ 224.1767, 0.2939,
0.3184

■ 8.9136, 0.2589,
0.2970

■ 271.4573, 0.2950,
0.3190

■ 4.6849, 0.2468,
0.2891

■ 324.9581, 0.2961,

■ 2.0636, 0.2278,

0.3196

0.2761

385.0634, 0.2970,
0.3201

0.6440, 0.1782,
0.2508

0.0000, 0.0000,
0.0000

67.6226, 0.2848,
0.3130

67.6226, 0.2848,
0.3130

60.8797, 0.2694,
0.3029

75.0409, 0.3004,
0.3222

54.7787, 0.2544,
0.2919

83.1499, 0.3158,
0.3306

49.2953, 0.2403,
0.2802

90.8325, 0.3268,
0.3382

44.3999, 0.2274,
0.2679

95.5651, 0.3261,
0.3456

■ 40.0601, 0.2160,
0.2551

■ 98.6628, 0.3256,
0.3503

■ 36.2394, 0.2066,
0.2422

■ 32.8951, 0.1992,
0.2294

■ 29.9689, 0.1938,
0.2168

■ 29.4195, 0.1929,
0.2143

Harmonies

Analogous

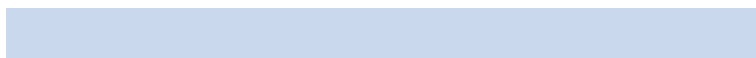
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.6226, 0.2872, 0.3249



67.6226, 0.2848, 0.3130



67.6226, 0.2896, 0.3058

Triad

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



67.6226, 0.2848, 0.3130



67.6226, 0.3291, 0.3198



67.6226, 0.3245, 0.3545

Complementary

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



67.6226, 0.2848, 0.3130



64.7615, 0.3449, 0.3445

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.



67.6226, 0.3361, 0.3524



67.6226, 0.2848, 0.3130



67.6226, 0.3389, 0.3322

Square

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



67.6226, 0.2848, 0.3130



67.6226, 0.3150, 0.3098



67.6226, 0.3414, 0.3441



67.6226, 0.3099, 0.3494

Rectangle

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



67.6226, 0.2848, 0.3130



67.6226, 0.2964, 0.3043



67.6226, 0.3414, 0.3441



67.6226, 0.3289, 0.3546

Sweetspot

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



67.6254, 0.2848, 0.3130



94.9782, 0.3050, 0.3248



73.7632, 0.3020, 0.3613



20.1819, 0.3039, 0.3242



0.0000, 0.0000, 0.0000



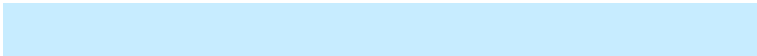
21.4041, 0.3127, 0.3290

Same Dimension

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



67.6254, 0.2848, 0.3130



79.5058, 0.2784, 0.3090



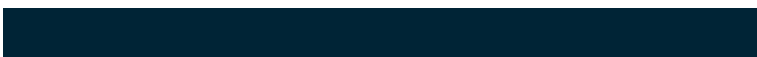
57.3636, 0.2835, 0.2883



16.2263, 0.2981, 0.3210



16.9314, 0.1934, 0.2163



1.5052, 0.1983, 0.2337

Inverse Universe

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



59.7128, 0.3254, 0.2988



68.1338, 0.3288, 0.2916



75.4780, 0.3410, 0.3666



15.2234, 0.3189, 0.3134



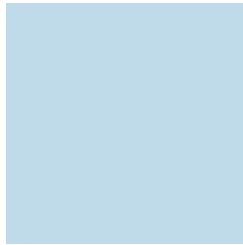
11.2020, 0.4273, 0.2127



0.8974, 0.4088, 0.2025

Previews

White Background



This preview shows how the Yxy color 67.6226, 0.2848, 0.3130 looks on a white background.

Color Contrast Check

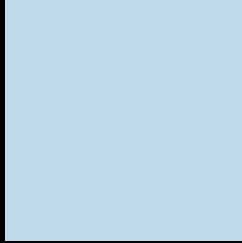
Large Text (above 18pt) WCAG AA × Fail

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 67.6226, 0.2848, 0.3130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

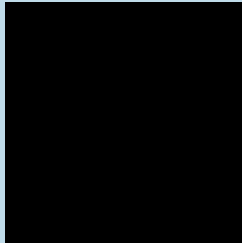
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

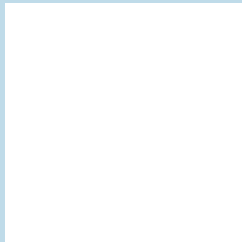
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.6226, 0.2848, 0.3130

Background



This preview shows how black text looks on a background with the Yxy color 67.6226, 0.2848, 0.3130.

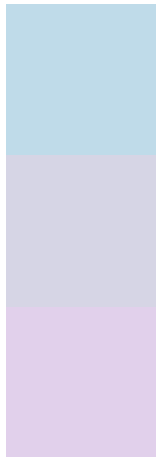


This preview shows how white text looks on a background with the Yxy color 67.6226, 0.2848, 0.3130.

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

67.6226, 0.2848, 0.3130

Protanopia

67.5418, 0.3027, 0.3114

Deuteranopia

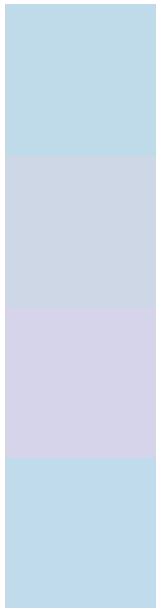
67.1175, 0.3067, 0.3001



Tritanopia

67.9256, 0.2836, 0.3097

Trichromacy



Original Color

67.6226, 0.2848, 0.3130

Protanomaly

67.4359, 0.2965, 0.3122

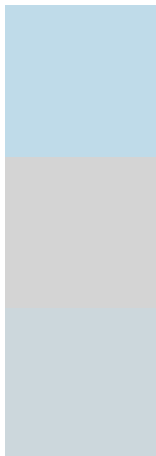
Deuteranomaly

67.1736, 0.2988, 0.3049

Tritanomaly

67.8677, 0.2842, 0.3108

Monochromacy



Original Color

67.6226, 0.2848, 0.3130

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.6056, 0.3015, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6226, 0.2848, 0.3130 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(191, 219, 233)` looks like.

```
.text, #text, p{  
    color:rgb(191, 219, 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(191, 219, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 219, 233) }
```

Border

The CSS property to change the border of an element to Yxy 67.6226, 0.2848, 0.3130 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(191, 219, 233) }
```

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

```
.border{ border-color:rgb(191, 219, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 219, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 219, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 219, 233);  
box-shadow:4px 4px 4px 4px rgb(191, 219,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6226, 0.2848, 0.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 219, 233) }
```

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

```
.background{ background-color: rgb(191,  
219, 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](#).

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