

Converting Colors

Yxy(64.6072, 0.2851, 0.3069)

Have a look what the booklet for
Yxy(64.6072, 0.2851, 0.3069)
contains.

Yxy(64.4911, 0.2850, 0.3071)	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(64.4911, 0.2850, 0.3071)

Conversions

Conversions Part 1

Format	Color
Hex	BFD5E8
RGB	191, 213, 232
RGB Percent	75%, 84%, 91%
CMY	0.2509, 0.1647, 0.0901
CMYK	0.18, 0.08, 0.00, 0.09
HSL	208°, 47%, 83%
HSV	208°, 18%, 91%
XYZ	59.8501, 64.4911, 85.6591
YIQ	208.5880, -19.2110, 1.2450

Conversions

Conversions Part 2

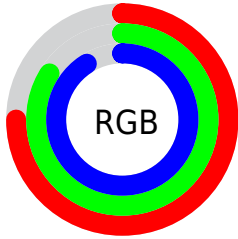
Format	Color
R _Y B	191, 205, 232
Decimal	12572136
CIE Lab	84.22, -3.43, -11.84
CIE LCh	84, 12.321, 253.856
Yxy	64.4911, 0.2850, 0.3071
Android (android.graphics.Color)	4290762216 (0xFFBFD5E8)
YUV	208.5880, 11.5421, -15.4247
Hunter-Lab	80.3064, -7.5050, -7.0275

Details

The Yxy color **64.4911, 0.2850, 0.3071** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.0355, 0.3432, 0.3500**, and the grayscale version is **63.4143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **32.9067, 0.2784, 0.3016** is the 20% darker color. If you saturate the color by 10%, you get **56.4830, 0.2688, 0.2929**, and if you desaturate by 10%, it is **73.3405, 0.3009, 0.3200**.

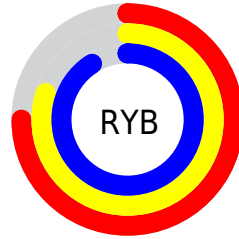
Distribution



Red (75%)

Green (84%)

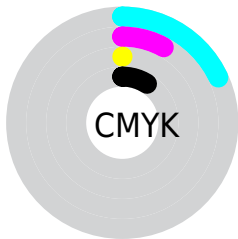
Blue (91%)



Red (75%)

Yellow (80%)

Blue (91%)

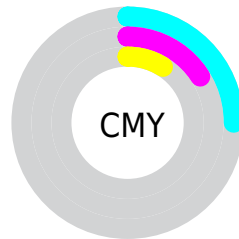


Cyan (18%)

Magenta (8%)

Yellow (0%)

Black (9%)



Cyan (25%)

Magenta (16%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.4911, 0.2850, 0.3071 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 64.4911, 0.2850, 0.3071 by changing the saturation by 10% instead.

■ 64.4911, 0.2850,
0.3071

■ 64.4911, 0.2850,
0.3071

440.9609, 0.2980,
0.3175

■ 47.0485, 0.2820,
0.3047

■ 111.3179, 0.2895,
0.3108

■ 33.0740, 0.2782,
0.3016

141.4709, 0.2913,
0.3122

■ 22.1832, 0.2735,
0.2977

176.6296, 0.2928,
0.3134

■ 13.9916, 0.2672,
0.2925

217.1783, 0.2941,
0.3144

■ 8.1148, 0.2585,
0.2853

263.5013, 0.2953,
0.3153

■ 4.1685, 0.2458,
0.2746

315.9832, 0.2963,

■ 1.7683, 0.2256,

0.3161

0.2571

375.0083, 0.2972,
0.3169

0.4673, 0.1628,
0.2111

0.0000, 0.0000,
0.0000

64.4911, 0.2850,
0.3071

64.4911, 0.2850,
0.3071

56.4830, 0.2688,
0.2929

73.3405, 0.3009,
0.3200

49.2790, 0.2527,
0.2773

83.0508, 0.3162,
0.3316

42.8504, 0.2371,
0.2606

92.5699, 0.3271,
0.3420

37.1634, 0.2223,
0.2431

98.6079, 0.3262,
0.3512

■ 32.1811, 0.2090,
0.2249

■ 27.8623, 0.1975,
0.2066

■ 24.1597, 0.1883,
0.1887

■ 21.0118, 0.1814,
0.1716

■ 20.3405, 0.1799,
0.1677

Harmonies

Analogous

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



64.4911, 0.2834, 0.3173



64.4911, 0.2850, 0.3071



64.4911, 0.2939, 0.3029

Triad

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



64.4911, 0.2850, 0.3071



64.4911, 0.3365, 0.3262



64.4911, 0.3169, 0.3540

Complementary

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



64.4911, 0.2850, 0.3071



67.0355, 0.3432, 0.3500

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.



64.4911, 0.3315, 0.3560



64.4911, 0.2850, 0.3071



64.4911, 0.3430, 0.3395

Square

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



64.4911, 0.2850, 0.3071



64.4911, 0.3236, 0.3139



64.4911, 0.3411, 0.3505



64.4911, 0.3016, 0.3448

Rectangle

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



64.4911, 0.2850, 0.3071



64.4911, 0.3028, 0.3039



64.4911, 0.3411, 0.3505



64.4911, 0.3221, 0.3556

Sweetspot

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



64.4938, 0.2850, 0.3071



93.9455, 0.3050, 0.3232



73.4345, 0.2993, 0.3549



19.9308, 0.3039, 0.3224



0.0000, 0.0000, 0.0000



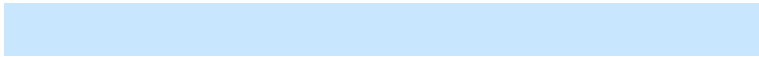
21.4041, 0.3127, 0.3290

Same Dimension

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



64.4938, 0.2850, 0.3071



76.3811, 0.2795, 0.3024



55.0718, 0.2838, 0.2834



15.1604, 0.2981, 0.3178



11.5439, 0.1807, 0.1704



1.0386, 0.1876, 0.1954

Inverse Universe

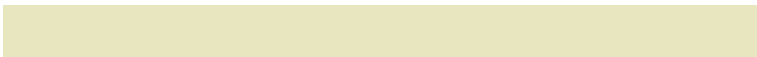
The Inverse Universe completely reimagines the original color for something new.



59.2304, 0.3292, 0.3050



68.9654, 0.3331, 0.3002



77.5050, 0.3396, 0.3708



14.4965, 0.3209, 0.3165



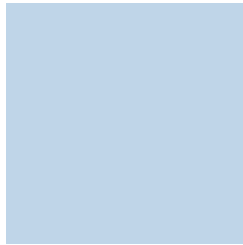
10.3631, 0.4802, 0.2419



0.7845, 0.4505, 0.2256

Previews

White Background



This preview shows how the Yxy color 64.4911, 0.2850, 0.3071 looks on a white background.

Color Contrast Check

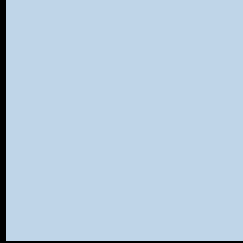
Large Text (above 18pt) WCAG AA × Fail

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 64.4911, 0.2850, 0.3071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

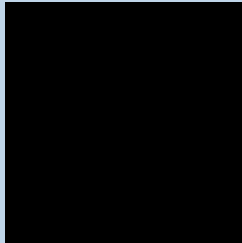
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

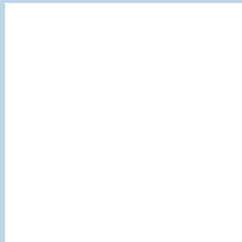
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.4911, 0.2850, 0.3071

Background



This preview shows how black text looks on a background with the Yxy color 64.4911, 0.2850, 0.3071.



This preview shows how white text looks on a background with the Yxy color 64.4911, 0.2850, 0.3071.

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

64.4911, 0.2850, 0.3071

Protanopia

64.1788, 0.2985, 0.3055

Deuteranopia

64.1863, 0.3031, 0.2963



Tritanopia

64.3780, 0.2862, 0.3094

Trichromacy



Original Color

64.4911, 0.2850, 0.3071

Protanomaly

64.3629, 0.2936, 0.3064

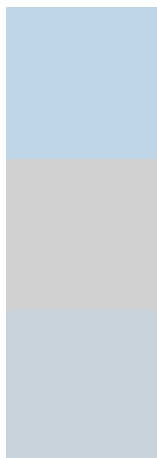
Deuteranomaly

64.0641, 0.2966, 0.3001

Tritanomaly

64.4344, 0.2856, 0.3083

Monochromacy



Original Color

64.4911, 0.2850, 0.3071

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.6595, 0.3021, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4911, 0.2850, 0.3071 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, 213, 232)` looks like.

```
.text, #text, p{  
    color:rgb(191, 213, 232)  
}
```

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, 213, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 213, 232) }
```

Border

The CSS property to change the border of an element to Yxy 64.4911, 0.2850, 0.3071 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, 213, 232) }
```

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

```
.border{ border-color:rgb(191, 213, 232) }
```

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

Here you see how a box with a 4 pixel rgb(191, 213, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 213, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 213, 232);  
box-shadow:4px 4px 4px 4px rgb(191, 213,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4911, 0.2850, 0.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 213, 232) }
```

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

```
.background{ background-color: rgb(191,  
213, 232) }
```

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