

Converting Colors

Yxy(63.3462, 0.2824, 0.3036)

Have a look what the booklet for
Yxy(63.3462, 0.2824, 0.3036)
contains.

Yxy(63.1631, 0.2823, 0.3035)	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(63.1631, 0.2823, 0.3035)

Conversions

Conversions Part 1

Format	Color
Hex	BCD3E9
RGB	188, 211, 233
RGB Percent	74%, 83%, 91%
CMY	0.2626, 0.1726, 0.0862
CMYK	0.19, 0.09, 0.00, 0.09
HSL	209°, 51%, 83%
HSV	209°, 19%, 91%
XYZ	58.7510, 63.1631, 86.2015
YIQ	206.6310, -20.7700, 1.9660

Conversions

Conversions Part 2

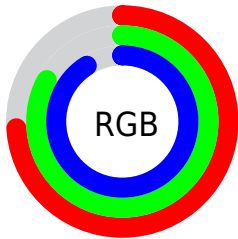
Format	Color
R _Y B	188, 203, 233
Decimal	12375017
CIE Lab	83.53, -3.08, -13.42
CIE LCh	84, 13.767, 257.074
Yxy	63.1631, 0.2823, 0.3035
Android (android.graphics.Color)	4290565097 (0xFFBCD3E9)
YUV	206.6310, 12.9999, -16.3394
Hunter-Lab	79.4752, -7.1278, -8.6753

Details

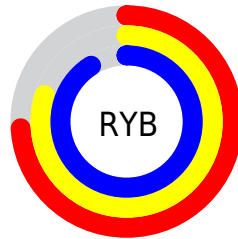
The Yxy color **63.1631, 0.2823, 0.3035** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.0894, 0.3462, 0.3532**, and the grayscale version is **62.0784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **32.3566, 0.2750, 0.2984** is the 20% darker color. If you saturate the color by 10%, you get **54.9696, 0.2660, 0.2882**, and if you desaturate by 10%, it is **72.2423, 0.2983, 0.3174**.

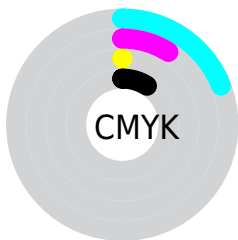
Distribution



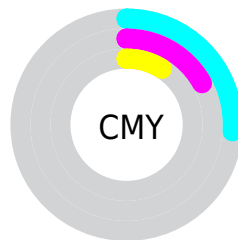
- Red (74%)
- Green (83%)
- Blue (91%)



- Red (74%)
- Yellow (80%)
- Blue (91%)



- Cyan (19%)
- Magenta (9%)
- Yellow (0%)
- Black (9%)



- Cyan (26%)
- Magenta (17%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.1631, 0.2823, 0.3035 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 63.1631, 0.2823, 0.3035 by changing the saturation by 10% instead.

■ 63.1631, 0.2823,
0.3035

■ 63.1631, 0.2823,
0.3035

436.1612, 0.2966,
0.3156

■ 45.9732, 0.2790,
0.3007

■ 109.4048, 0.2873,
0.3078

■ 32.2246, 0.2748,
0.2971

139.2253, 0.2892,
0.3094

■ 21.5331, 0.2696,
0.2925

174.0248, 0.2909,
0.3108

■ 13.5143, 0.2626,
0.2865

214.1878, 0.2924,
0.3120

■ 7.7836, 0.2530,
0.2780

260.0985, 0.2936,
0.3131

■ 3.9568, 0.2389,
0.2655

312.1413, 0.2947,

■ 1.6494, 0.2165,

0.3140

0.2451

370.7008, 0.2957,
0.3149

0.3906, 0.1405,
0.1853

0.0000, 0.0000,
0.0000

63.1631, 0.2823,
0.3035

63.1631, 0.2823,
0.3035

54.9696, 0.2660,
0.2882

72.2423, 0.2983,
0.3174

47.6228, 0.2496,
0.2715

82.2288, 0.3138,
0.3298

41.0920, 0.2338,
0.2536

92.5893, 0.3265,
0.3409

35.3412, 0.2189,
0.2349

98.6645, 0.3256,
0.3503

■ 30.3310, 0.2054,
0.2156

■ 26.0173, 0.1939,
0.1964

■ 22.3495, 0.1848,
0.1777

■ 19.2525, 0.1779,
0.1600

■ 19.0520, 0.1774,
0.1588

Harmonies

Analogous

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



63.1631, 0.2796, 0.3143



63.1631, 0.2823, 0.3035



63.1631, 0.2930, 0.2997

Triad

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



63.1631, 0.2823, 0.3035



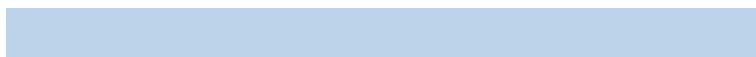
63.1631, 0.3407, 0.3274



63.1631, 0.3155, 0.3565

Complementary

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



63.1631, 0.2823, 0.3035



67.0894, 0.3462, 0.3532

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.



63.1631, 0.3322, 0.3596



63.1631, 0.2823, 0.3035



63.1631, 0.3471, 0.3422

Square

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



63.1631, 0.2823, 0.3035



63.1631, 0.3267, 0.3134



63.1631, 0.3439, 0.3541



63.1631, 0.2984, 0.3454

Rectangle

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



63.1631, 0.2823, 0.3035



63.1631, 0.3034, 0.3014



63.1631, 0.3439, 0.3541



63.1631, 0.3214, 0.3585

Sweetspot

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



63.1657, 0.2823, 0.3035



92.5244, 0.3034, 0.3216



73.6295, 0.2972, 0.3558



19.6352, 0.3024, 0.3208



0.0000, 0.0000, 0.0000



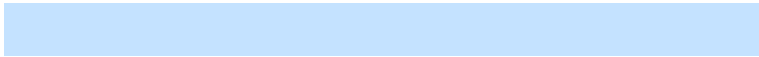
21.4041, 0.3127, 0.3290

Same Dimension

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



63.1657, 0.2823, 0.3035



73.5445, 0.2761, 0.2978



52.8873, 0.2807, 0.2769



15.8196, 0.2981, 0.3172



11.0574, 0.1782, 0.1614



1.0608, 0.1850, 0.1861

Inverse Universe

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



58.0148, 0.3320, 0.3040



66.4040, 0.3367, 0.2988



78.8268, 0.3419, 0.3763



15.1823, 0.3213, 0.3170



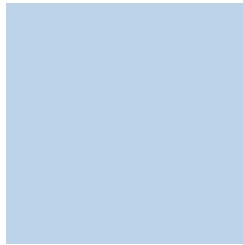
10.6091, 0.4913, 0.2480



0.8525, 0.4613, 0.2315

Previews

White Background



This preview shows how the Yxy color 63.1631, 0.2823, 0.3035 looks on a white background.

Color Contrast Check

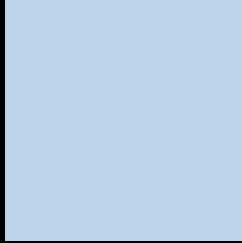
Large Text (above 18pt) WCAG AA × Fail

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 63.1631, 0.2823, 0.3035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

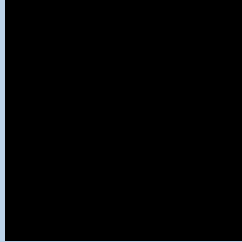
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

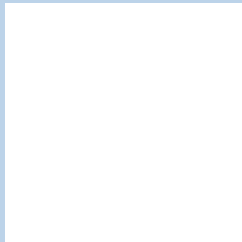
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.1631, 0.2823, 0.3035

Background



This preview shows how black text looks on a background with the Yxy color 63.1631, 0.2823, 0.3035.



This preview shows how white text looks on a background with the Yxy color 63.1631, 0.2823, 0.3035.

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

63.1631, 0.2823, 0.3035

Protanopia

62.8349, 0.2957, 0.3019

Deuteranopia

62.6863, 0.2995, 0.2927



Tritanopia

63.3089, 0.2841, 0.3092

Trichromacy



Original Color

63.1631, 0.2823, 0.3035

Protanomaly

63.0234, 0.2908, 0.3028

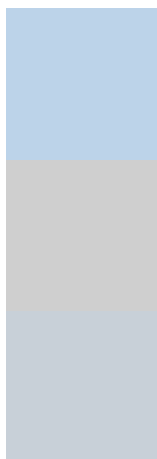
Deuteranomaly

62.5823, 0.2930, 0.2965

Tritanomaly

63.3649, 0.2835, 0.3080

Monochromacy



Original Color

63.1631, 0.2823, 0.3035

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

62.3490, 0.3014, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.1631, 0.2823, 0.3035 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(188, 211, 233)` looks like.

```
.text, #text, p{  
    color:rgb(188, 211, 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(188, 211, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 211, 233) }
```

Border

The CSS property to change the border of an element to Yxy 63.1631, 0.2823, 0.3035 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(188, 211, 233) }
```

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

```
.border{ border-color:rgb(188, 211, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 211, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 211, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 211, 233);  
box-shadow:4px 4px 4px 4px rgb(188, 211,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 63.1631, 0.2823, 0.3035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 211, 233) }
```

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

```
.background{ background-color: rgb(188,  
211, 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