

Converting Colors

Yxy(63.6528, 0.2829, 0.2893)

Have a look what the booklet for
Yxy(63.6528, 0.2829, 0.2893)
contains.

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Color

Yxy(63.7249, 0.2833, 0.2899)

Conversions

Conversions Part 1

Format	Color
Hex	C7D0F3
RGB	199, 208, 243
RGB Percent	78%, 82%, 95%
CMY	0.2199, 0.1842, 0.0470
CMYK	0.18, 0.14, 0.00, 0.05
HSL	228°, 65%, 87%
HSV	228°, 18%, 95%
XYZ	62.2741, 63.7249, 93.8178
YIQ	209.2990, -16.5990, 8.9770

Conversions

Conversions Part 2

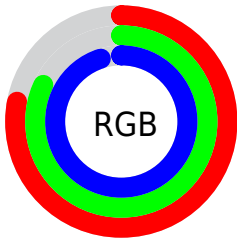
Format	Color
R _{YB}	199, 206, 243
Decimal	13095155
CIE _{Lab}	83.82, 4.00, -18.21
CIE _{LCh}	84, 18.641, 282.394
Yxy	63.7249, 0.2833, 0.2899
Android (android.graphics.Color)	4291285235 (0xFFC7D0F3)
YUV	209.2990, 16.6146, -9.0322
Hunter-Lab	79.8279, -0.4501, -13.8011

Details

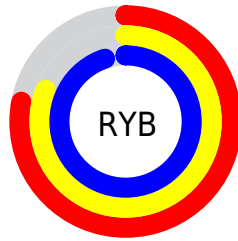
The Yxy color **63.7249, 0.2833, 0.2899** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.9767, 0.3416, 0.3653**, and the grayscale version is **63.8589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.7188, 0.2763, 0.2807** is the 20% darker color. If you saturate the color by 10%, you get **51.8236, 0.2651, 0.2647**, and if you desaturate by 10%, it is **77.3061, 0.3001, 0.3125**.

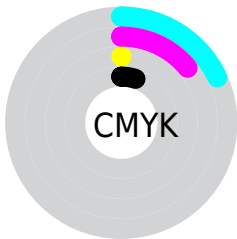
Distribution



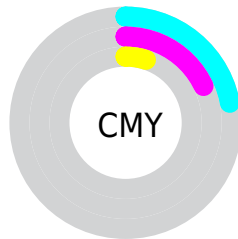
- Red (78%)
- Green (82%)
- Blue (95%)



- Red (78%)
- Yellow (81%)
- Blue (95%)



- Cyan (18%)
- Magenta (14%)
- Yellow (0%)
- Black (5%)



- Cyan (22%)
- Magenta (18%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.7249, 0.2833, 0.2899 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 63.7249, 0.2833, 0.2899 by changing the saturation by 10% instead.

■ 63.7249, 0.2833,
0.2899

■ 63.7249, 0.2833,
0.2899

438.1955, 0.2972,
0.3081

■ 46.4279, 0.2801,
0.2857

110.2147, 0.2882,
0.2962

■ 32.5836, 0.2760,
0.2805

140.1762, 0.2900,
0.2987

■ 21.8077, 0.2709,
0.2740

175.1280, 0.2917,
0.3008

■ 13.7156, 0.2641,
0.2653

215.4546, 0.2931,
0.3027

■ 7.9232, 0.2548,
0.2536

261.5402, 0.2943,
0.3043

■ 4.0458, 0.2411,
0.2368

313.7693, 0.2954,

■ 1.6992, 0.2196,

0.3057

0.2107

372.5263, 0.2963,
0.3070

0.4232, 0.1736,
0.1470

0.0000, 0.0000,
0.0000

63.7249, 0.2833,
0.2899

63.7249, 0.2833,
0.2899

51.8236, 0.2651,
0.2647

77.3061, 0.3001,
0.3125

41.5284, 0.2460,
0.2371

92.6217, 0.3155,
0.3325

32.7713, 0.2264,
0.2078

99.2516, 0.3197,
0.3405

25.4767, 0.2074,
0.1777

■ 19.5619, 0.1898,
0.1484

■ 14.9356, 0.1749,
0.1214

■ 11.4947, 0.1635,
0.0986

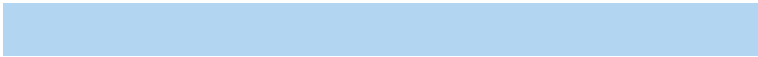
■ 9.1118, 0.1562,
0.0811

■ 8.7623, 0.1551,
0.0785

Harmonies

Analogous

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



63.7249, 0.2706, 0.2962



63.7249, 0.2833, 0.2899



63.7249, 0.3041, 0.2934

Triad

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



63.7249, 0.2833, 0.2899



63.7249, 0.3587, 0.3434



63.7249, 0.2967, 0.3543

Complementary

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



63.7249, 0.2833, 0.2899



81.9767, 0.3416, 0.3653

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.



63.7249, 0.3200, 0.3680



63.7249, 0.2833, 0.2899



63.7249, 0.3563, 0.3605

Square

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



63.7249, 0.2833, 0.2899



63.7249, 0.3482, 0.3235



63.7249, 0.3419, 0.3700



63.7249, 0.2782, 0.3332

Rectangle

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



63.7249, 0.2833, 0.2899



63.7249, 0.3200, 0.3007



63.7249, 0.3419, 0.3700



63.7249, 0.3042, 0.3600

Sweetspot

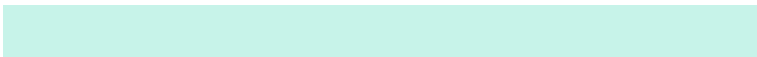
The Sweet Spot groups the original color and five complimentary colors.



63.7275, 0.2833, 0.2899



91.3733, 0.3051, 0.3191



82.1490, 0.2906, 0.3393



19.3066, 0.3040, 0.3176



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.



63.7275, 0.2833, 0.2899



65.6733, 0.2763, 0.2803



61.1993, 0.2916, 0.2807



16.4802, 0.2979, 0.3096



4.9626, 0.1557, 0.0806



0.5774, 0.1618, 0.1023

Inverse Universe

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



64.4279, 0.3409, 0.3194



66.7374, 0.3486, 0.3172



85.1362, 0.3314, 0.3755



16.5384, 0.3261, 0.3241



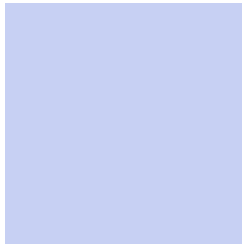
10.6004, 0.6059, 0.3112



0.9459, 0.5724, 0.2927

Previews

White Background



This preview shows how the Yxy color 63.7249, 0.2833, 0.2899 looks on a white background.

Color Contrast Check

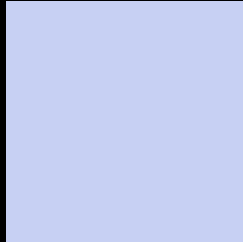
Large Text (above 18pt) WCAG AA × Fail

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 63.7249, 0.2833, 0.2899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

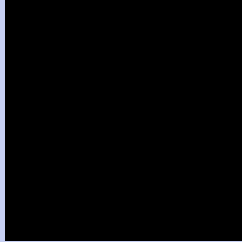
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.7249, 0.2833, 0.2899

Background



This preview shows how black text looks on a background with the Yxy color 63.7249, 0.2833, 0.2899.

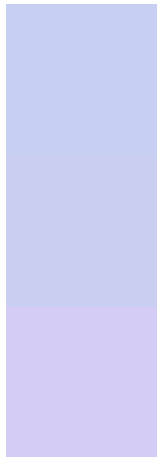


This preview shows how white text looks on a background with the Yxy color 63.7249, 0.2833, 0.2899.

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

63.7249, 0.2833, 0.2899

Protanopia

63.5930, 0.2859, 0.2900

Deuteranopia

63.7144, 0.2915, 0.2854



Tritanopia

63.8703, 0.2914, 0.3106

Trichromacy



Original Color

63.7249, 0.2833, 0.2899

Protanomaly

63.4540, 0.2853, 0.2900

Deuteranomaly

63.4597, 0.2880, 0.2861

Tritanomaly

63.8467, 0.2883, 0.3028

Monochromacy



Original Color

63.7249, 0.2833, 0.2899

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.8005, 0.3016, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7249, 0.2833, 0.2899 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(199, 208, 243)` looks like.

```
.text, #text, p{  
    color:rgb(199, 208, 243)  
}
```

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(199, 208, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 208, 243) }
```

Border

The CSS property to change the border of an element to Yxy 63.7249, 0.2833, 0.2899 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(199, 208, 243) }
```

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

```
.border{ border-color:rgb(199, 208, 243) }
```

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

Here you see how a box with a 4 pixel rgb(199, 208, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 208, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 208, 243);  
box-shadow:4px 4px 4px 4px rgb(199, 208,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7249, 0.2833, 0.2899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 208, 243) }
```

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

```
.background{ background-color: rgb(199,  
208, 243) }
```

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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