

Converting Colors

$Yxy(63.8563, 0.2900, 0.3007)$

Have a look what the booklet for
Yxy(63.8563, 0.2900, 0.3007)
contains.

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Color

Yxy(63.8208, 0.2897, 0.3007)

Conversions

Conversions Part 1

Format	Color
Hex	C8D1EA
RGB	200, 209, 234
RGB Percent	78%, 82%, 92%
CMY	0.2154, 0.1805, 0.0823
CMYK	0.15, 0.11, 0.00, 0.08
HSL	224°, 45%, 85%
HSV	224°, 15%, 92%
XYZ	61.4862, 63.8208, 86.9338
YIQ	209.1590, -13.3890, 5.8670

Conversions

Conversions Part 2

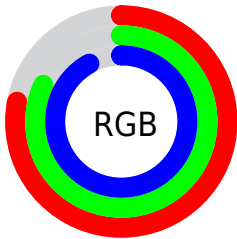
Format	Color
RYB	200, 207, 234
Decimal	13160938
CIELab	83.87, 1.95, -13.35
CIELCh	84, 13.488, 278.296
Yxy	63.8208, 0.2897, 0.3007
Android (android.graphics.Color)	4291351018 (0xFFC8D1EA)
YUV	209.1590, 12.2466, -8.0324
Hunter-Lab	79.8879, -2.4204, -8.5977

Details

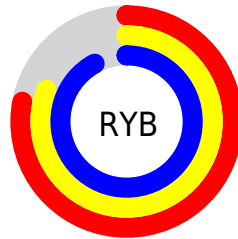
The Yxy color `63.8208, 0.2897, 0.3007` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `75.5750, 0.3358, 0.3558`, and the grayscale version is `63.8029, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `32.7680, 0.2844, 0.2948` is the 20% darker color. If you saturate the color by 10%, you get `52.8296, 0.2723, 0.2783`, and if you desaturate by 10%, it is `76.2276, 0.3059, 0.3207`.

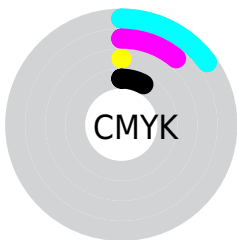
Distribution



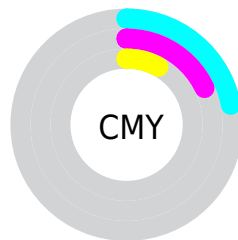
- Red (78%)
- Green (82%)
- Blue (92%)



- Red (78%)
- Yellow (81%)
- Blue (92%)



- Cyan (15%)
- Magenta (11%)
- Yellow (0%)
- Black (8%)



- Cyan (22%)
- Magenta (18%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8208, 0.2897, 0.3007 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 63.8208, 0.2897, 0.3007 by changing the saturation by 10% instead.

■ 63.8208, 0.2897,
0.3007

■ 63.8208, 0.2897,
0.3007

438.5422, 0.3006,
0.3140

■ 46.5055, 0.2872,
0.2976

110.3528, 0.2935,
0.3053

■ 32.6449, 0.2840,
0.2938

140.3384, 0.2950,
0.3071

■ 21.8546, 0.2800,
0.2889

175.3162, 0.2962,
0.3087

■ 13.7501, 0.2746,
0.2825

215.6706, 0.2973,
0.3100

■ 7.9471, 0.2672,
0.2736

261.7860, 0.2983,
0.3112

■ 4.0611, 0.2562,
0.2606

314.0468, 0.2991,

■ 1.7078, 0.2385,

0.3122

0.2399

372.8374, 0.2999,
0.3132

0.4287, 0.1934,
0.1822

0.0000, 0.0000,
0.0000

63.8208, 0.2897,
0.3007

63.8208, 0.2897,
0.3007

52.8296, 0.2723,
0.2783

76.2276, 0.3059,
0.3207

43.1946, 0.2540,
0.2535

90.0908, 0.3207,
0.3384

34.8639, 0.2351,
0.2269

98.7217, 0.3250,
0.3493

27.7788, 0.2165,
0.1989

■ 21.8761, 0.1989,
0.1708

■ 17.0865, 0.1833,
0.1437

■ 13.3326, 0.1707,
0.1192

■ 10.5247, 0.1617,
0.0986

■ 9.3287, 0.1581,
0.0891

Harmonies

Analogous

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



63.8208, 0.2814, 0.3066



63.8208, 0.2897, 0.3007



63.8208, 0.3043, 0.3022

Triad

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



63.8208, 0.2897, 0.3007



63.8208, 0.3454, 0.3378



63.8208, 0.3034, 0.3488

Complementary

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



63.8208, 0.2897, 0.3007



75.5750, 0.3358, 0.3558

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.



63.8208, 0.3205, 0.3576



63.8208, 0.2897, 0.3007



63.8208, 0.3450, 0.3506

Square

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



63.8208, 0.2897, 0.3007



63.8208, 0.3367, 0.3232



63.8208, 0.3358, 0.3581



63.8208, 0.2891, 0.3343

Rectangle

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



63.8208, 0.2897, 0.3007



63.8208, 0.3157, 0.3070



63.8208, 0.3358, 0.3581



63.8208, 0.3090, 0.3526

Sweetspot

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



63.8234, 0.2897, 0.3007



93.4113, 0.3066, 0.3217



76.5799, 0.2959, 0.3390



19.7355, 0.3055, 0.3202



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.



63.8234, 0.2897, 0.3007



73.9593, 0.2853, 0.2952



60.6896, 0.2951, 0.2910



15.1922, 0.2980, 0.3111



5.4155, 0.1588, 0.0916



0.5779, 0.1661, 0.1181

Inverse Universe

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



63.4381, 0.3329, 0.3194



73.5018, 0.3371, 0.3176



79.2147, 0.3288, 0.3656



15.1190, 0.3252, 0.3228



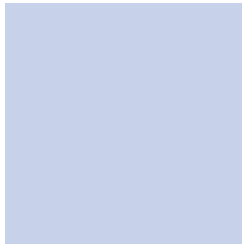
10.0395, 0.5886, 0.3016



0.8038, 0.5494, 0.2800

Previews

White Background



This preview shows how the Yxy color 63.8208, 0.2897, 0.3007 looks on a white background.

Color Contrast Check

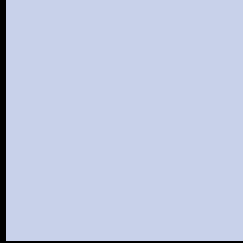
Large Text (above 18pt) WCAG AA × Fail

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 63.8208, 0.2897, 0.3007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

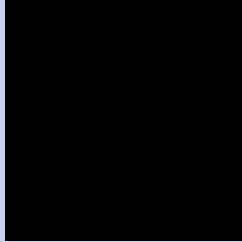
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.8208, 0.2897, 0.3007

Background



This preview shows how black text looks on a background with the Yxy color 63.8208, 0.2897, 0.3007.

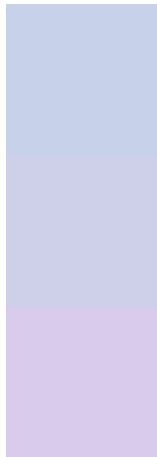


This preview shows how white text looks on a background with the Yxy color 63.8208, 0.2897, 0.3007.

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

63.8208, 0.2897, 0.3007

Protanopia

63.6307, 0.2944, 0.2999

Deuteranopia

63.4617, 0.3010, 0.2940



Tritanopia

63.7814, 0.2935, 0.3096

Trichromacy



Original Color

63.8208, 0.2897, 0.3007

Protanomaly

63.8323, 0.2931, 0.3009

Deuteranomaly

63.5097, 0.2967, 0.2958

Tritanomaly

63.9485, 0.2915, 0.3062

Monochromacy



Original Color

63.8208, 0.2897, 0.3007

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.7847, 0.3044, 0.3187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8208, 0.2897, 0.3007 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(200, 209, 234)` looks like.

```
.text, #text, p{  
    color:rgb(200, 209, 234)  
}
```

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(200, 209, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 209, 234) }
```

Border

The CSS property to change the border of an element to Yxy 63.8208, 0.2897, 0.3007 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(200, 209, 234) }
```

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

```
.border{ border-color:rgb(200, 209, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 209, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 209, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 209, 234);  
box-shadow:4px 4px 4px 4px rgb(200, 209,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8208, 0.2897, 0.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 209, 234) }
```

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

```
.background{ background-color: rgb(200,  
209, 234) }
```

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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