

Converting Colors

$Yxy(63.7192, 0.2912, 0.2955)$

Have a look what the booklet for
Yxy(63.7192, 0.2912, 0.2955)
contains.

Yxy(63.7192, 0.2912, 0.2955)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.7192, 0.2912, 0.2955)

Conversions

Conversions Part 1

Format	Color
Hex	CDCFED
RGB	205, 207, 237
RGB Percent	80%, 81%, 93%
CMY	0.1958, 0.1883, 0.0705
CMYK	0.13, 0.13, 0.00, 0.07
HSL	236°, 47%, 87%
HSV	236°, 13%, 93%
XYZ	62.7920, 63.7192, 89.1206
YIQ	209.8220, -10.8220, 8.9060

Conversions

Conversions Part 2

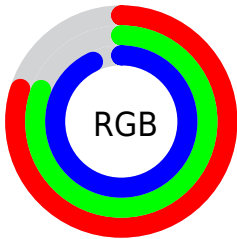
Format	Color
R _Y B	205, 207, 237
Decimal	13488109
CIE Lab	83.82, 5.21, -14.98
CIE LCh	84, 15.863, 289.191
Yxy	63.7192, 0.2912, 0.2955
Android (android.graphics.Color)	4291678189 (0xFFCDCFED)
YUV	209.8220, 13.3988, -4.2289
Hunter-Lab	79.8243, 0.7204, -10.3179

Details

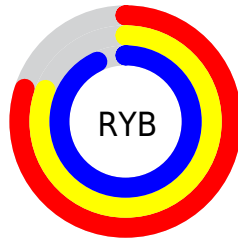
The Yxy color **63.7192, 0.2912, 0.2955** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.8962, 0.3332, 0.3604**, and the grayscale version is **64.2501, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.6980, 0.2863, 0.2881** is the 20% darker color. If you saturate the color by 10%, you get **50.5551, 0.2730, 0.2669**, and if you desaturate by 10%, it is **78.9232, 0.3075, 0.3209**.

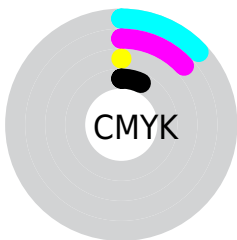
Distribution



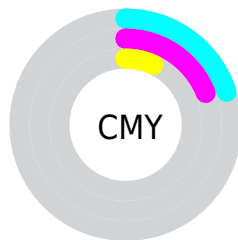
- Red (80%)
- Green (81%)
- Blue (93%)



- Red (80%)
- Yellow (81%)
- Blue (93%)



- Cyan (13%)
- Magenta (13%)
- Yellow (0%)
- Black (7%)



- Cyan (20%)
- Magenta (19%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.7192, 0.2912, 0.2955 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 63.7192, 0.2912, 0.2955 by changing the saturation by 10% instead.

■ 63.7192, 0.2912,
0.2955

■ 63.7192, 0.2912,
0.2955

438.1749, 0.3014,
0.3111

■ 46.4233, 0.2888,
0.2919

110.2064, 0.2948,
0.3009

■ 32.5800, 0.2858,
0.2874

140.1665, 0.2962,
0.3031

■ 21.8049, 0.2820,
0.2818

175.1168, 0.2974,
0.3049

■ 13.7136, 0.2769,
0.2744

215.4417, 0.2984,
0.3065

■ 7.9217, 0.2698,
0.2642

261.5256, 0.2993,
0.3078

■ 4.0449, 0.2594,
0.2495

313.7528, 0.3001,

■ 1.6987, 0.2425,

0.3091

0.2265

372.5078, 0.3008,
0.3102

0.4228, 0.2060,
0.1646

0.0000, 0.0000,
0.0000

63.7192, 0.2912,
0.2955

63.7192, 0.2912,
0.2955

50.5551, 0.2730,
0.2669

78.9232, 0.3075,
0.3209

39.3367, 0.2532,
0.2353

96.2404, 0.3219,
0.3431

29.9739, 0.2323,
0.2017

98.8953, 0.3232,
0.3463

22.3666, 0.2113,
0.1675

■ 16.4053, 0.1915,
0.1347

■ 11.9680, 0.1744,
0.1058

■ 8.9160, 0.1616,
0.0832

■ 7.0847, 0.1536,
0.0683

■ 6.4337, 0.1508,
0.0628

Harmonies

Analogous

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



63.7192, 0.2785, 0.2991



63.7192, 0.2912, 0.2955



63.7192, 0.3100, 0.3003

Triad

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



63.7192, 0.2912, 0.2955



63.7192, 0.3523, 0.3451



63.7192, 0.2950, 0.3467

Complementary

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



63.7192, 0.2912, 0.2955



81.8962, 0.3332, 0.3604

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.



63.7192, 0.3144, 0.3601



63.7192, 0.2912, 0.2955



63.7192, 0.3479, 0.3585

Square

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



63.7192, 0.2912, 0.2955



63.7192, 0.3458, 0.3283



63.7192, 0.3338, 0.3643



63.7192, 0.2806, 0.3284

Rectangle

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



63.7192, 0.2912, 0.2955



63.7192, 0.3236, 0.3076



63.7192, 0.3338, 0.3643



63.7192, 0.3012, 0.3520

Sweetspot

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



63.7219, 0.2912, 0.2955



92.1493, 0.3067, 0.3196



79.5581, 0.2934, 0.3312



19.4174, 0.3055, 0.3178



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.



63.7219, 0.2912, 0.2955



70.9852, 0.2867, 0.2884



64.8602, 0.3010, 0.2944



14.6933, 0.2980, 0.3061



3.5734, 0.1511, 0.0638



0.3316, 0.1539, 0.0739

Inverse Universe

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



66.2092, 0.3361, 0.3270



74.4453, 0.3414, 0.3266



80.7039, 0.3233, 0.3634



15.0686, 0.3284, 0.3276



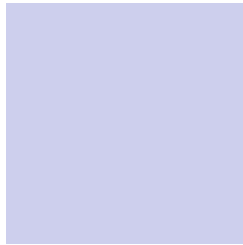
9.8535, 0.6337, 0.3264



0.7789, 0.6168, 0.3171

Previews

White Background



This preview shows how the Yxy color 63.7192, 0.2912, 0.2955 looks on a white background.

Color Contrast Check

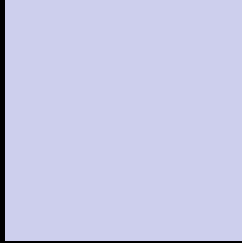
Large Text (above 18pt) WCAG AA × Fail

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 63.7192, 0.2912, 0.2955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

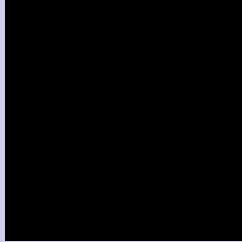
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.7192, 0.2912, 0.2955

Background



This preview shows how black text looks on a background with the Yxy color 63.7192, 0.2912, 0.2955.



This preview shows how white text looks on a background with the Yxy color 63.7192, 0.2912, 0.2955.

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

63.7192, 0.2912, 0.2955

Protanopia

63.5774, 0.2905, 0.2955

Deuteranopia

63.9577, 0.2983, 0.2919



Tritanopia

63.7337, 0.2976, 0.3108

Trichromacy



Original Color

63.7192, 0.2912, 0.2955

Protanomaly

63.5774, 0.2905, 0.2955

Deuteranomaly

63.8327, 0.2954, 0.2927

Tritanomaly

63.6063, 0.2956, 0.3053

Monochromacy



Original Color

63.7192, 0.2912, 0.2955

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.1781, 0.3045, 0.3165

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7192, 0.2912, 0.2955 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(205, 207, 237)` looks like.

```
.text, #text, p{  
    color:rgb(205, 207, 237)  
}
```

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(205, 207, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 207, 237) }
```

Border

The CSS property to change the border of an element to Yxy 63.7192, 0.2912, 0.2955 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(205, 207, 237) }
```

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

```
.border{ border-color:rgb(205, 207, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 207, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 207, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 207, 237);  
box-shadow:4px 4px 4px 4px rgb(205, 207,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7192, 0.2912, 0.2955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 207, 237) }
```

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

```
.background{ background-color: rgb(205,  
207, 237) }
```

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