

Converting Colors

$Yxy(63.0049, 0.2937, 0.2987)$

Have a look what the booklet for
Yxy(63.0049, 0.2937, 0.2987)
contains.

Yxy(63.0049, 0.2937, 0.2987)	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(63.0049, 0.2937, 0.2987)

Conversions

Conversions Part 1

Format	Color
Hex	CDCEE9
RGB	205, 206, 233
RGB Percent	80%, 81%, 91%
CMY	0.1961, 0.1921, 0.0863
CMYK	0.12, 0.12, 0.00, 0.09
HSL	238°, 39%, 86%
HSV	238°, 12%, 91%
XYZ	61.9502, 63.0049, 85.9752
YIQ	208.7790, -9.2630, 8.1850

Conversions

Conversions Part 2

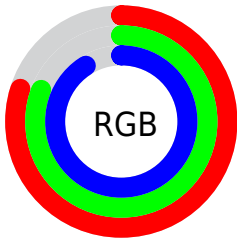
Format	Color
R _Y B	205, 206, 233
Decimal	13487849
CIE Lab	83.44, 4.87, -13.40
CIE LCh	83, 14.258, 289.987
Yxy	63.0049, 0.2937, 0.2987
Android (android.graphics.Color)	4291677929 (0xFFCDCEE9)
YUV	208.7790, 11.9410, -3.3142
Hunter-Lab	79.3756, 0.4064, -8.6567

Details

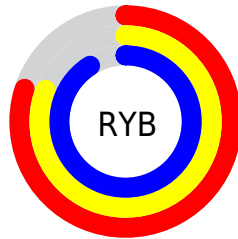
The Yxy color $63.0049, 0.2937, 0.2987$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $79.4164, 0.3308, 0.3576$, and the grayscale version is $63.5337, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $32.2101, 0.2895, 0.2921$ is the 20% darker color. If you saturate the color by 10%, you get $49.8919, 0.2757, 0.2698$, and if you desaturate by 10%, it is $78.1591, 0.3097, 0.3242$.

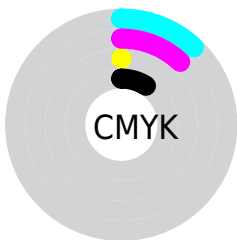
Distribution



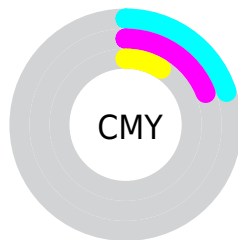
- Red (80%)
- Green (81%)
- Blue (91%)



- Red (80%)
- Yellow (81%)
- Blue (91%)



- Cyan (12%)
- Magenta (12%)
- Yellow (0%)
- Black (9%)



- Cyan (20%)
- Magenta (19%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0049, 0.2937, 0.2987 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 63.0049, 0.2937, 0.2987 by changing the saturation by 10% instead.

■ 63.0049, 0.2937,
0.2987

■ 63.0049, 0.2937,
0.2987

435.5873, 0.3028,
0.3129

■ 45.8452, 0.2916,
0.2954

109.1766, 0.2969,
0.3037

■ 32.1237, 0.2889,
0.2914

138.9573, 0.2981,
0.3056

■ 21.4560, 0.2855,
0.2862

173.7139, 0.2992,
0.3072

■ 13.4577, 0.2809,
0.2793

213.8306, 0.3001,
0.3087

■ 7.7445, 0.2746,
0.2700

259.6919, 0.3009,
0.3099

■ 3.9319, 0.2651,
0.2563

311.6822, 0.3016,

■ 1.6355, 0.2497,

0.3110

0.2346

370.1858, 0.3022,
0.3120

■ 0.3814, 0.2122,
0.1681

■ 0.0000, 0.0000,
0.0000

■ 63.0049, 0.2937,
0.2987

■ 63.0049, 0.2937,
0.2987

■ 49.8919, 0.2757,
0.2698

■ 78.1591, 0.3097,
0.3242

■ 38.7256, 0.2559,
0.2380

■ 95.4283, 0.3238,
0.3465

■ 29.4155, 0.2349,
0.2039

■ 98.6624, 0.3256,
0.3503

■ 21.8609, 0.2137,
0.1690

■ 15.9518, 0.1934,
0.1356

■ 11.5656, 0.1758,
0.1061

■ 8.5625, 0.1624,
0.0830

■ 6.7770, 0.1539,
0.0680

■ 6.0684, 0.1505,
0.0617

Harmonies

Analogous

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



63.0049, 0.2819, 0.3018



63.0049, 0.2937, 0.2987



63.0049, 0.3108, 0.3032

Triad

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



63.0049, 0.2937, 0.2987



63.0049, 0.3484, 0.3441



63.0049, 0.2963, 0.3445

Complementary

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



63.0049, 0.2937, 0.2987



79.4164, 0.3308, 0.3576

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.



63.0049, 0.3138, 0.3568



63.0049, 0.2937, 0.2987



63.0049, 0.3442, 0.3559

Square

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



63.0049, 0.2937, 0.2987



63.0049, 0.3428, 0.3288



63.0049, 0.3314, 0.3608



63.0049, 0.2835, 0.3280

Rectangle

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



63.0049, 0.2937, 0.2987



63.0049, 0.3230, 0.3099



63.0049, 0.3314, 0.3608



63.0049, 0.3019, 0.3493

Sweetspot

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



63.0075, 0.2937, 0.2987



92.0074, 0.3067, 0.3194



77.0491, 0.2952, 0.3305



19.3817, 0.3055, 0.3175



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.



63.0075, 0.2937, 0.2987



73.8356, 0.2902, 0.2931



64.3778, 0.3027, 0.2984



14.6377, 0.2980, 0.3055



3.4828, 0.1507, 0.0623



0.3049, 0.1524, 0.0687

Inverse Universe

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



65.4322, 0.3336, 0.3279



77.2796, 0.3378, 0.3278



77.9524, 0.3218, 0.3595



15.0630, 0.3287, 0.3282



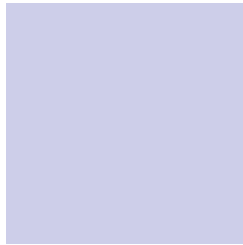
9.8444, 0.6361, 0.3278



0.7762, 0.6255, 0.3219

Previews

White Background



This preview shows how the Yxy color 63.0049, 0.2937, 0.2987 looks on a white background.

Color Contrast Check

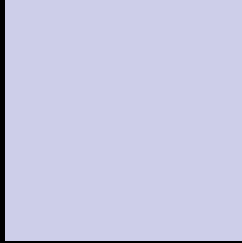
Large Text (above 18pt) WCAG AA × Fail

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 63.0049, 0.2937, 0.2987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

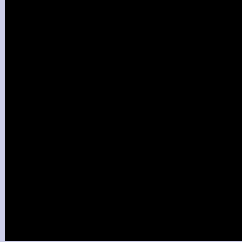
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.0049, 0.2937, 0.2987

Background



This preview shows how black text looks on a background with the Yxy color 63.0049, 0.2937, 0.2987.

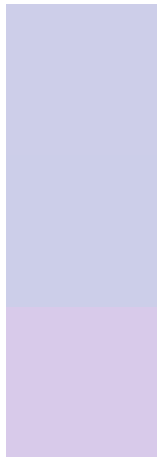


This preview shows how white text looks on a background with the Yxy color 63.0049, 0.2937, 0.2987.

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

63.0049, 0.2937, 0.2987

Protanopia

62.8632, 0.2930, 0.2986

Deuteranopia

62.7805, 0.3009, 0.2939



Tritanopia

63.1901, 0.2982, 0.3107

Trichromacy



Original Color

63.0049, 0.2937, 0.2987

Protanomaly

62.8632, 0.2930, 0.2986

Deuteranomaly

62.6494, 0.2980, 0.2947

Tritanomaly

63.0091, 0.2969, 0.3063

Monochromacy



Original Color

63.0049, 0.2937, 0.2987

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.5836, 0.3058, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0049, 0.2937, 0.2987 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, 206, 233)` looks like.

```
.text, #text, p{  
    color:rgb(205, 206, 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(205, 206, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 206, 233) }
```

Border

The CSS property to change the border of an element to Yxy 63.0049, 0.2937, 0.2987 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, 206, 233) }
```

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

```
.border{ border-color:rgb(205, 206, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 206, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 206, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 206, 233);  
box-shadow:4px 4px 4px 4px rgb(205, 206,  
233) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 63.0049, 0.2937, 0.2987$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 206, 233) }
```

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

```
.background{ background-color: rgb(205,  
206, 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