

Converting Colors

Yxy(63.0863, 0.2975, 0.3031)

Have a look what the booklet for
Yxy(63.0863, 0.2975, 0.3031)
contains.

Yxy(63.0652, 0.2977, 0.3031)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.0652, 0.2977, 0.3031)

Conversions

Conversions Part 1

Format	Color
Hex	CFCEE5
RGB	207, 206, 229
RGB Percent	81%, 81%, 90%
CMY	0.1884, 0.1921, 0.1018
CMYK	0.10, 0.10, 0.00, 0.10
HSL	242°, 31%, 85%
HSV	242°, 10%, 90%
XYZ	61.9416, 63.0652, 83.0605
YIQ	208.9210, -6.7870, 7.3650

Conversions

Conversions Part 2

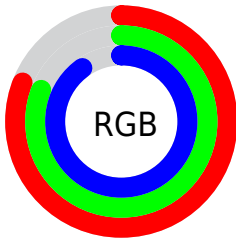
Format	Color
R _Y B	207, 206, 229
Decimal	13618917
CIE Lab	83.48, 4.72, -11.23
CIE LCh	83, 12.182, 292.780
Yxy	63.0652, 0.2977, 0.3031
Android (android.graphics.Color)	4291808997 (0xFFCFCEE5)
YUV	208.9210, 9.8989, -1.6847
Hunter-Lab	79.4136, 0.2540, -6.4232

Details

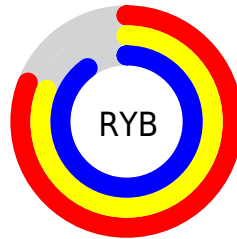
The Yxy color **63.0652, 0.2977, 0.3031** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.0219, 0.3270, 0.3538**, and the grayscale version is **63.6431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.2848, 0.2940, 0.2965** is the 20% darker color. If you saturate the color by 10%, you get **49.8859, 0.2807, 0.2740**, and if you desaturate by 10%, it is **78.2965, 0.3126, 0.3289**.

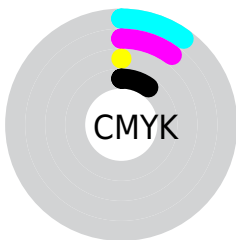
Distribution



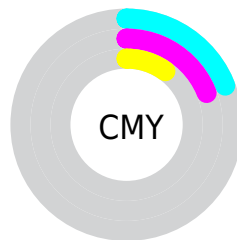
- Red (81%)
- Green (81%)
- Blue (90%)



- Red (81%)
- Yellow (81%)
- Blue (90%)



- Cyan (10%)
- Magenta (10%)
- Yellow (0%)
- Black (10%)



- Cyan (19%)
- Magenta (19%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0652, 0.2977, 0.3031 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 63.0652, 0.2977, 0.3031 by changing the saturation by 10% instead.

■ 63.0652, 0.2977,
0.3031

■ 63.0652, 0.2977,
0.3031

435.8061, 0.3049,
0.3153

■ 45.8940, 0.2960,
0.3003

109.2636, 0.3002,
0.3073

■ 32.1621, 0.2939,
0.2968

139.0595, 0.3012,
0.3090

■ 21.4854, 0.2912,
0.2923

173.8324, 0.3020,
0.3104

■ 13.4793, 0.2876,
0.2864

213.9668, 0.3027,
0.3116

■ 7.7594, 0.2825,
0.2783

259.8469, 0.3034,
0.3127

■ 3.9414, 0.2749,
0.2664

311.8572, 0.3039,

■ 1.6408, 0.2623,

0.3136

0.2474

370.3822, 0.3044,
0.3145

0.3849, 0.2301,
0.1841

0.0000, 0.0000,
0.0000

63.0652, 0.2977,
0.3031

63.0652, 0.2977,
0.3031

49.8859, 0.2807,
0.2740

78.2965, 0.3126,
0.3289

38.6634, 0.2618,
0.2417

95.6537, 0.3256,
0.3514

29.3067, 0.2413,
0.2072

98.4390, 0.3279,
0.3542

21.7148, 0.2202,
0.1718

■ 15.7768, 0.1996,
0.1376

■ 11.3695, 0.1810,
0.1074

■ 8.3524, 0.1662,
0.0837

■ 6.5591, 0.1562,
0.0682

■ 5.7199, 0.1510,
0.0605

Harmonies

Analogous

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



63.0652, 0.2870, 0.3053



63.0652, 0.2977, 0.3031



63.0652, 0.3126, 0.3075

Triad

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



63.0652, 0.2977, 0.3031



63.0652, 0.3432, 0.3431



63.0652, 0.2975, 0.3410

Complementary

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



63.0652, 0.2977, 0.3031



77.0219, 0.3270, 0.3538

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.



63.0652, 0.3123, 0.3519



63.0652, 0.2977, 0.3031



63.0652, 0.3388, 0.3527

Square

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



63.0652, 0.2977, 0.3031



63.0652, 0.3391, 0.3302



63.0652, 0.3274, 0.3561



63.0652, 0.2869, 0.3269

Rectangle

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



63.0652, 0.2977, 0.3031



63.0652, 0.3230, 0.3136



63.0652, 0.3274, 0.3561



63.0652, 0.3021, 0.3452

Sweetspot

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



63.0679, 0.2977, 0.3031



93.8511, 0.3084, 0.3216



74.4161, 0.2973, 0.3281



19.7451, 0.3072, 0.3195



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.



63.0679, 0.2977, 0.3031



76.8606, 0.2944, 0.2975



64.7582, 0.3059, 0.3037



13.9153, 0.2986, 0.3047



3.2820, 0.1513, 0.0607



0.2526, 0.1550, 0.0628

Inverse Universe

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



66.4186, 0.3145, 0.3054



81.9256, 0.3149, 0.3005



75.2284, 0.3190, 0.3544



14.6044, 0.3144, 0.3068



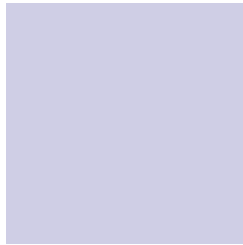
12.4699, 0.3315, 0.1600



0.9247, 0.3298, 0.1590

Previews

White Background



This preview shows how the Yxy color 63.0652, 0.2977, 0.3031 looks on a white background.

Color Contrast Check

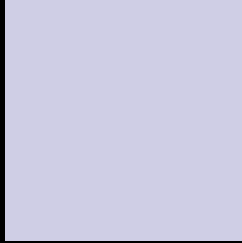
Large Text (above 18pt) WCAG AA × Fail

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 63.0652, 0.2977, 0.3031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

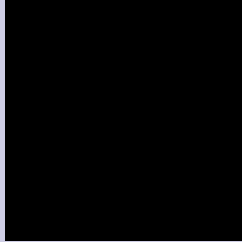
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

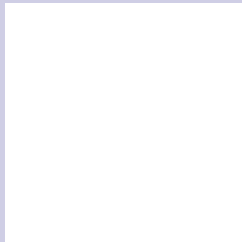
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.0652, 0.2977, 0.3031

Background



This preview shows how black text looks on a background with the Yxy color 63.0652, 0.2977, 0.3031.

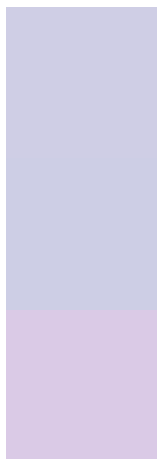


This preview shows how white text looks on a background with the Yxy color 63.0652, 0.2977, 0.3031.

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

63.0652, 0.2977, 0.3031

Protanopia

62.7789, 0.2963, 0.3030

Deuteranopia

62.8597, 0.3051, 0.2982



Tritanopia

63.0752, 0.3010, 0.3108

Trichromacy



Original Color

63.0652, 0.2977, 0.3031

Protanomaly

62.9216, 0.2970, 0.3031

Deuteranomaly

62.7212, 0.3022, 0.2991

Tritanomaly

63.1837, 0.2997, 0.3086

Monochromacy



Original Color

63.0652, 0.2977, 0.3031

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.4795, 0.3072, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0652, 0.2977, 0.3031 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(207, 206, 229)` looks like.

```
.text, #text, p{  
    color:rgb(207, 206, 229)  
}
```

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(207, 206, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 206, 229) }
```

Border

The CSS property to change the border of an element to Yxy 63.0652, 0.2977, 0.3031 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(207, 206, 229) }
```

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

```
.border{ border-color:rgb(207, 206, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 206, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 206, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 206, 229);  
box-shadow:4px 4px 4px 4px rgb(207, 206,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 63.0652, 0.2977, 0.3031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 206, 229) }
```

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

```
.background{ background-color: rgb(207,  
206, 229) }
```

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