

Converting Colors

$Y_{xy}(63.5204, 0.3010, 0.3051)$

Have a look what the booklet for
Yxy(63.5204, 0.3010, 0.3051)
contains.

Yxy(63.4457, 0.3006, 0.3044)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.4457, 0.3006, 0.3044)

Conversions

Conversions Part 1

Format	Color
Hex	D2CEE4
RGB	210, 206, 228
RGB Percent	82%, 81%, 89%
CMY	0.1764, 0.1921, 0.1059
CMYK	0.08, 0.10, 0.00, 0.11
HSL	251°, 29%, 85%
HSV	251°, 10%, 89%
XYZ	62.6537, 63.4457, 82.3293
YIQ	209.7040, -4.6780, 7.6900

Conversions

Conversions Part 2

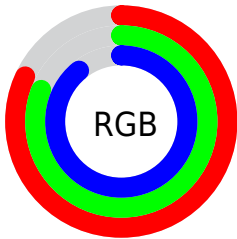
Format	Color
R _{YB}	210, 206, 228
Decimal	13815524
CIE Lab	83.68, 5.51, -10.35
CIE LCh	84, 11.726, 298.034
Yxy	63.4457, 0.3006, 0.3044
Android (android.graphics.Color)	4292005604 (0xFFD2CEE4)
YUV	209.7040, 9.0199, 0.2596
Hunter-Lab	79.6528, 1.0129, -5.5253

Details

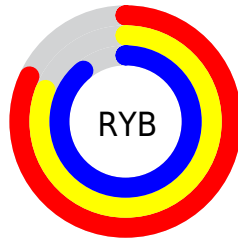
The Yxy color **63.4457, 0.3006, 0.3044** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.7767, 0.3242, 0.3529**, and the grayscale version is **64.1888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.4422, 0.2967, 0.2981** is the 20% darker color. If you saturate the color by 10%, you get **50.6772, 0.2862, 0.2760**, and if you desaturate by 10%, it is **78.1303, 0.3131, 0.3299**.

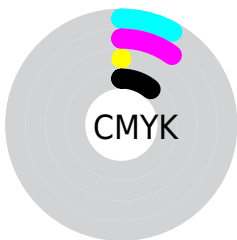
Distribution



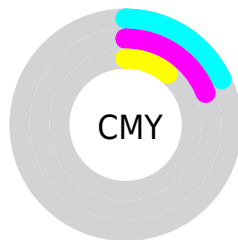
- Red (82%)
- Green (81%)
- Blue (89%)



- Red (82%)
- Yellow (81%)
- Blue (89%)



- Cyan (8%)
- Magenta (10%)
- Yellow (0%)
- Black (11%)



- Cyan (18%)
- Magenta (19%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.4457, 0.3006, 0.3044 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 63.4457, 0.3006, 0.3044 by changing the saturation by 10% instead.

■ 63.4457, 0.3006,
0.3044

■ 63.4457, 0.3006,
0.3044

437.1852, 0.3064,
0.3159

■ 46.2019, 0.2992,
0.3017

109.8123, 0.3026,
0.3084

■ 32.4052, 0.2975,
0.2984

139.7038, 0.3034,
0.3100

■ 21.6711, 0.2953,
0.2942

174.5800, 0.3041,
0.3113

■ 13.6155, 0.2924,
0.2886

214.8253, 0.3047,
0.3125

■ 7.8537, 0.2882,
0.2810

260.8241, 0.3052,
0.3135

■ 4.0015, 0.2820,
0.2698

312.9607, 0.3056,

■ 1.6744, 0.2716,

0.3144

0.2518

371.6196, 0.3060,
0.3152

0.4070, 0.2471,
0.1929

0.0000, 0.0000,
0.0000

63.4457, 0.3006,
0.3044

63.4457, 0.3006,
0.3044

50.6772, 0.2862,
0.2760

78.1303, 0.3131,
0.3299

39.7376, 0.2700,
0.2448

94.7974, 0.3239,
0.3524

30.5449, 0.2521,
0.2117

98.3805, 0.3286,
0.3552

23.0078, 0.2332,
0.1778

■ 17.0263, 0.2139,
0.1449

■ 12.4898, 0.1956,
0.1153

■ 9.2727, 0.1795,
0.0911

■ 7.2271, 0.1667,
0.0742

■ 6.1161, 0.1579,
0.0645

Harmonies

Analogous

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



63.4457, 0.2894, 0.3054



63.4457, 0.3006, 0.3044



63.4457, 0.3153, 0.3097

Triad

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



63.4457, 0.3006, 0.3044



63.4457, 0.3418, 0.3445



63.4457, 0.2959, 0.3383

Complementary

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



63.4457, 0.3006, 0.3044



75.7767, 0.3242, 0.3529

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.



63.4457, 0.3097, 0.3495



63.4457, 0.3006, 0.3044



63.4457, 0.3363, 0.3528

Square

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



63.4457, 0.3006, 0.3044



63.4457, 0.3393, 0.3324



63.4457, 0.3245, 0.3549



63.4457, 0.2868, 0.3246

Rectangle

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



63.4457, 0.3006, 0.3044



63.4457, 0.3251, 0.3160



63.4457, 0.3245, 0.3549



63.4457, 0.3002, 0.3425

Sweetspot

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



63.4484, 0.3006, 0.3044



94.0488, 0.3091, 0.3216



72.2060, 0.2979, 0.3249



19.7983, 0.3081, 0.3196



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.



63.4484, 0.3006, 0.3044



77.5668, 0.2973, 0.2978



65.0630, 0.3084, 0.3050



14.0130, 0.3008, 0.3049



3.5507, 0.1586, 0.0647



0.2991, 0.1714, 0.0718

Inverse Universe

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



66.0158, 0.3166, 0.3096



81.6522, 0.3177, 0.3046



74.1293, 0.3166, 0.3534



14.5677, 0.3166, 0.3100



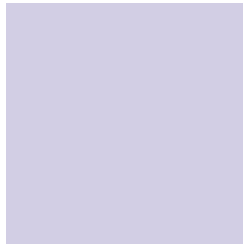
11.5975, 0.3731, 0.1829



0.8688, 0.3641, 0.1779

Previews

White Background



This preview shows how the Yxy color 63.4457, 0.3006, 0.3044 looks on a white background.

Color Contrast Check

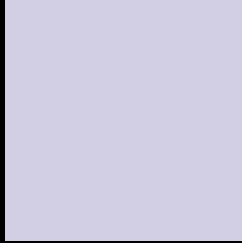
Large Text (above 18pt) WCAG AA × Fail

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 63.4457, 0.3006, 0.3044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

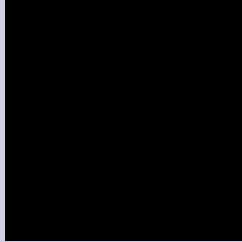
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

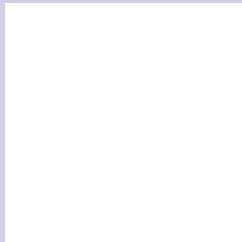
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.4457, 0.3006, 0.3044

Background



This preview shows how black text looks on a background with the Yxy color 63.4457, 0.3006, 0.3044.

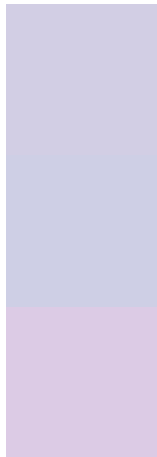


This preview shows how white text looks on a background with the Yxy color 63.4457, 0.3006, 0.3044.

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

63.4457, 0.3006, 0.3044

Protanopia

63.4046, 0.2970, 0.3042

Deuteranopia

63.5847, 0.3073, 0.3005



Tritanopia

63.5087, 0.3032, 0.3109

Trichromacy



Original Color

63.4457, 0.3006, 0.3044

Protanomaly

63.5482, 0.2978, 0.3043

Deuteranomaly

63.4418, 0.3043, 0.3014

Tritanomaly

63.6172, 0.3019, 0.3087

Monochromacy



Original Color

63.4457, 0.3006, 0.3044

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.3123, 0.3080, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.4457, 0.3006, 0.3044 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(210, 206, 228)` looks like.

```
.text, #text, p{  
    color:rgb(210, 206, 228)  
}
```

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(210, 206, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 206, 228) }
```

Border

The CSS property to change the border of an element to Yxy 63.4457, 0.3006, 0.3044 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(210, 206, 228) }
```

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

```
.border{ border-color:rgb(210, 206, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 206, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 206, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 206, 228);  
box-shadow:4px 4px 4px 4px rgb(210, 206,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 63.4457, 0.3006, 0.3044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 206, 228) }
```

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

```
.background{ background-color: rgb(210,  
206, 228) }
```

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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