

Converting Colors

$Y_{xy}(63.8602, 0.3095, 0.2991)$

Have a look what the booklet for
Yxy(63.8602, 0.3095, 0.2991)
contains.

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Color

Yxy(63.8015, 0.3096, 0.2986)

Conversions

Conversions Part 1

Format	Color
Hex	E0CAE6
RGB	224, 202, 230
RGB Percent	88%, 79%, 90%
CMY	0.1215, 0.2079, 0.0979
CMYK	0.03, 0.12, 0.00, 0.10
HSL	287°, 36%, 85%
HSV	287°, 12%, 90%
XYZ	66.1519, 63.8015, 83.7154
YIQ	211.7700, 4.1240, 13.3720

Conversions

Conversions Part 2

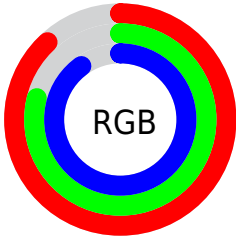
Format	Color
R _Y B	224, 202, 230
Decimal	14732006
CIE Lab	83.86, 12.66, -11.05
CIE LCh	84, 16.803, 318.899
Yxy	63.8015, 0.3096, 0.2986
Android (android.graphics.Color)	4292922086 (0xFFE0CAE6)
YUV	211.7700, 8.9874, 10.7257
Hunter-Lab	79.8758, 8.0480, -6.2270

Details

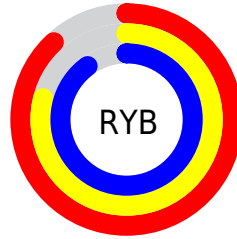
The Yxy color $63.8015, 0.3096, 0.2986$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $74.2878, 0.3154, 0.3605$, and the grayscale version is $65.6187, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $32.6708, 0.3094, 0.2923$ is the 20% darker color. If you saturate the color by 10%, you get $53.0253, 0.3064, 0.2724$, and if you desaturate by 10%, it is $76.2150, 0.3122, 0.3237$.

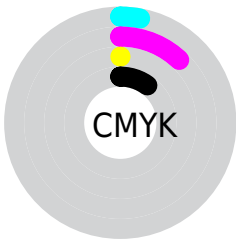
Distribution



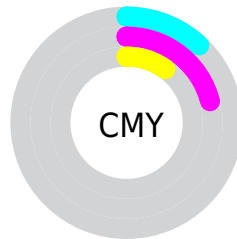
- Red (88%)
- Green (79%)
- Blue (90%)



- Red (88%)
- Yellow (79%)
- Blue (90%)



- Cyan (3%)
- Magenta (12%)
- Yellow (0%)
- Black (10%)



- Cyan (12%)
- Magenta (21%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8015, 0.3096, 0.2986 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 63.8015, 0.3096, 0.2986 by changing the saturation by 10% instead.

63.8015, 0.3096,
0.2986

63.8015, 0.3096,
0.2986

438.4725, 0.3112,
0.3127

46.4899, 0.3092,
0.2954

110.3250, 0.3102,
0.3035

32.6326, 0.3087,
0.2914

140.3057, 0.3104,
0.3054

21.8451, 0.3080,
0.2864

175.2783, 0.3106,
0.3070

13.7432, 0.3070,
0.2798

215.6271, 0.3108,
0.3085

7.9422, 0.3056,
0.2708

261.7365, 0.3109,
0.3097

4.0580, 0.3033,
0.2578

313.9909, 0.3110,

1.7061, 0.2991,

0.3108

0.2375

372.7748, 0.3111,
0.3118

0.4276, 0.2972,
0.1776

0.0000, 0.0000,
0.0000

63.8015, 0.3096,
0.2986

63.8015, 0.3096,
0.2986

53.0253, 0.3064,
0.2724

76.2150, 0.3122,
0.3237

43.8071, 0.3027,
0.2458

90.3244, 0.3143,
0.3473

36.0731, 0.2983,
0.2195

95.5548, 0.3170,
0.3540

29.7405, 0.2934,
0.1946

96.4245, 0.3201,
0.3537

■ 24.7180, 0.2880,
0.1722

■ 97.3178, 0.3233,
0.3535

■ 20.9035, 0.2823,
0.1534

■ 98.2350, 0.3265,
0.3533

■ 18.1796, 0.2765,
0.1389

■ 98.4951, 0.3273,
0.3532

■ 16.4049, 0.2708,
0.1291

■ 15.5020, 0.2664,
0.1241

Harmonies

Analogous

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



63.8015, 0.2898, 0.2936



63.8015, 0.3096, 0.2986



63.8015, 0.3309, 0.3110

Triad

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



63.8015, 0.3096, 0.2986



63.8015, 0.3500, 0.3601



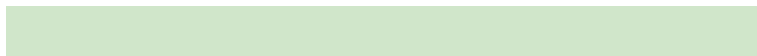
63.8015, 0.2789, 0.3285

Complementary

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



63.8015, 0.3096, 0.2986



74.2878, 0.3154, 0.3605

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.



63.8015, 0.2941, 0.3480



63.8015, 0.3096, 0.2986



63.8015, 0.3352, 0.3664

Square

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



63.8015, 0.3096, 0.2986



63.8015, 0.3547, 0.3459



63.8015, 0.3147, 0.3621



63.8015, 0.2725, 0.3100

Rectangle

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



63.8015, 0.3096, 0.2986



63.8015, 0.3429, 0.3221



63.8015, 0.3147, 0.3621



63.8015, 0.2831, 0.3352

Sweetspot

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



63.8042, 0.3096, 0.2986



93.2513, 0.3118, 0.3192



63.4168, 0.2936, 0.3041



19.6962, 0.3116, 0.3173



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.



63.8042, 0.3096, 0.2986



76.4540, 0.3087, 0.2911



64.3460, 0.3198, 0.3073



14.4511, 0.3104, 0.3056



8.8286, 0.2673, 0.1246



0.6914, 0.2755, 0.1291

Inverse Universe

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



63.6218, 0.3302, 0.3225



76.1907, 0.3351, 0.3208



73.8186, 0.3063, 0.3517



14.4183, 0.3259, 0.3240



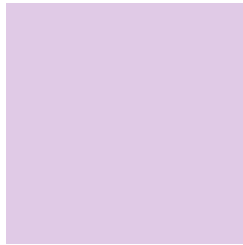
9.6660, 0.6030, 0.3095



0.7278, 0.5626, 0.2873

Previews

White Background



This preview shows how the Yxy color 63.8015, 0.3096, 0.2986 looks on a white background.

Color Contrast Check

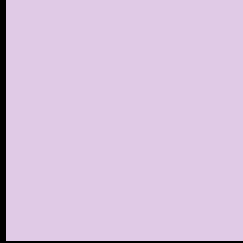
Large Text (above 18pt) WCAG AA × Fail

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 63.8015, 0.3096, 0.2986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

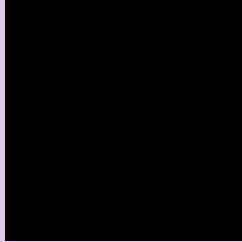
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.8015, 0.3096, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 63.8015, 0.3096, 0.2986.



This preview shows how white text looks on a background with the Yxy color 63.8015, 0.3096, 0.2986.

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

63.8015, 0.3096, 0.2986

Protanopia

64.1741, 0.2938, 0.2999

Deuteranopia

63.6407, 0.3066, 0.2995



Tritanopia

63.8826, 0.3151, 0.3114

Trichromacy



Original Color

63.8015, 0.3096, 0.2986

Protanomaly

64.1719, 0.2994, 0.2992

Deuteranomaly

63.7972, 0.3073, 0.2995

Tritanomaly

63.7817, 0.3130, 0.3060

Monochromacy



Original Color

63.8015, 0.3096, 0.2986

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

64.8252, 0.3111, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8015, 0.3096, 0.2986 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(224, 202, 230)` looks like.

```
.text, #text, p{  
    color:rgb(224, 202, 230)  
}
```

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(224, 202, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 202, 230) }
```

Border

The CSS property to change the border of an element to Yxy 63.8015, 0.3096, 0.2986 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(224, 202, 230) }
```

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

```
.border{ border-color:rgb(224, 202, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 202, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 202, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 202, 230);  
box-shadow:4px 4px 4px 4px rgb(224, 202,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8015, 0.3096, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 202, 230) }
```

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

```
.background{ background-color: rgb(224,  
202, 230) }
```

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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