

Converting Colors

Yxy(63.8408, 0.2996, 0.2940)

Have a look what the booklet for
Yxy(63.8408, 0.2996, 0.2940)
contains.

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Color

Yxy(63.8408, 0.2996, 0.2940)

Conversions

Conversions Part 1

Format	Color
Hex	D8CCEC
RGB	216, 204, 236
RGB Percent	85%, 80%, 93%
CMY	0.1528, 0.2000, 0.0745
CMYK	0.08, 0.14, 0.00, 0.07
HSL	263°, 46%, 86%
HSV	263°, 14%, 93%
XYZ	65.0568, 63.8408, 88.2480
YIQ	211.2360, -3.1200, 12.4960

Conversions

Conversions Part 2

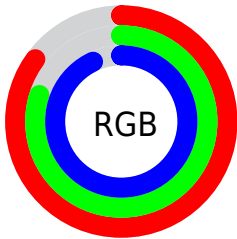
Format	Color
R _{YB}	216, 204, 236
Decimal	14208236
CIE Lab	83.88, 10.11, -14.26
CIE LCh	84, 17.483, 305.350
Yxy	63.8408, 0.2996, 0.2940
Android (android.graphics.Color)	4292398316 (0xFFD8CCEC)
YUV	211.2360, 12.2087, 4.1780
Hunter-Lab	79.9004, 5.5131, -9.5540

Details

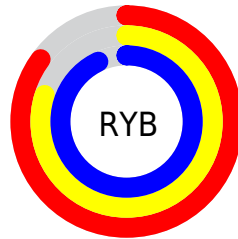
The Yxy color **63.8408, 0.2996, 0.2940** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **80.1918, 0.3246, 0.3634**, and the grayscale version is **65.2282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **32.6850, 0.2963, 0.2861** is the 20% darker color. If you saturate the color by 10%, you get **51.3180, 0.2881, 0.2654**, and if you desaturate by 10%, it is **78.2699, 0.3095, 0.3203**.

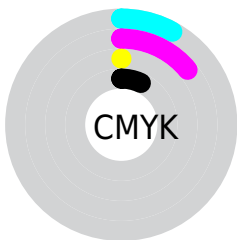
Distribution



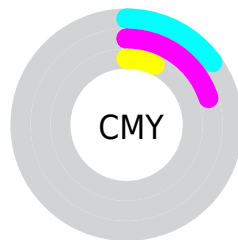
- Red (85%)
- Green (80%)
- Blue (93%)



- Red (85%)
- Yellow (80%)
- Blue (93%)



- Cyan (8%)
- Magenta (14%)
- Yellow (0%)
- Black (7%)



- Cyan (15%)
- Magenta (20%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8408, 0.2996, 0.2940 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 63.8408, 0.2996, 0.2940 by changing the saturation by 10% instead.

63.8408, 0.2996,
0.2940

63.8408, 0.2996,
0.2940

438.6145, 0.3059,
0.3102

46.5217, 0.2981,
0.2903

110.3816, 0.3018,
0.2996

32.6577, 0.2962,
0.2857

140.3722, 0.3027,
0.3018

21.8644, 0.2938,
0.2799

175.3554, 0.3034,
0.3037

13.7573, 0.2905,
0.2723

215.7156, 0.3041,
0.3053

7.9520, 0.2859,
0.2620

261.8372, 0.3046,
0.3068

4.0643, 0.2790,
0.2472

314.1046, 0.3051,

1.7096, 0.2674,

0.3081

0.2243

372.9023, 0.3055,
0.3092

0.4299, 0.2481,
0.1627

0.0000, 0.0000,
0.0000

63.8408, 0.2996,
0.2940

63.8408, 0.2996,
0.2940

51.3180, 0.2881,
0.2654

78.2699, 0.3095,
0.3203

40.6119, 0.2751,
0.2350

94.6736, 0.3180,
0.3440

31.6376, 0.2607,
0.2035

98.8360, 0.3238,
0.3473

24.3003, 0.2452,
0.1722

■ 18.4956, 0.2292,
0.1428

■ 14.1067, 0.2134,
0.1170

■ 10.9991, 0.1989,
0.0965

■ 9.0104, 0.1862,
0.0824

■ 8.1651, 0.1792,
0.0761

Harmonies

Analogous

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



63.8408, 0.2815, 0.2928



63.8408, 0.2996, 0.2940



63.8408, 0.3218, 0.3037

Triad

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



63.8408, 0.2996, 0.2940



63.8408, 0.3552, 0.3554



63.8408, 0.2837, 0.3379

Complementary

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



63.8408, 0.2996, 0.2940



80.1918, 0.3246, 0.3634

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.



63.8408, 0.3027, 0.3565



63.8408, 0.2996, 0.2940



63.8408, 0.3441, 0.3662

Square

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



63.8408, 0.2996, 0.2940



63.8408, 0.3545, 0.3383



63.8408, 0.3248, 0.3669



63.8408, 0.2726, 0.3173

Rectangle

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



63.8408, 0.2996, 0.2940



63.8408, 0.3360, 0.3138



63.8408, 0.3248, 0.3669



63.8408, 0.2894, 0.3446

Sweetspot

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



63.8435, 0.2996, 0.2940



92.4764, 0.3091, 0.3191



72.3467, 0.2917, 0.3160



19.5000, 0.3084, 0.3172



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.



63.8435, 0.2996, 0.2940



72.1606, 0.2969, 0.2870



66.3516, 0.3111, 0.2952



14.8247, 0.3039, 0.3051



4.5689, 0.1808, 0.0770



0.4122, 0.1962, 0.0855

Inverse Universe

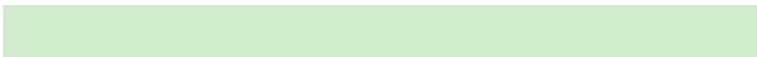
The Inverse Universe completely reimagines the original color for something new.



66.3975, 0.3229, 0.3079



75.7258, 0.3250, 0.3038



77.7975, 0.3139, 0.3646



15.2122, 0.3195, 0.3144



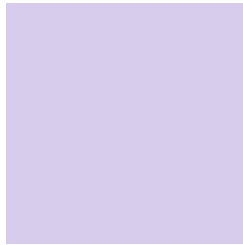
11.0221, 0.4440, 0.2220



0.8841, 0.4224, 0.2100

Previews

White Background



This preview shows how the Yxy color 63.8408, 0.2996, 0.2940 looks on a white background.

Color Contrast Check

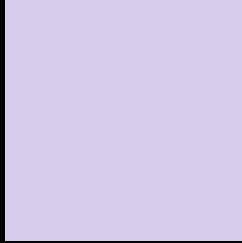
Large Text (above 18pt) WCAG AA × Fail

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 63.8408, 0.2996, 0.2940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

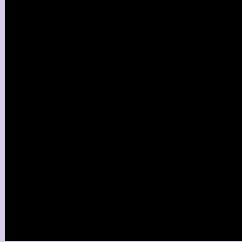
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

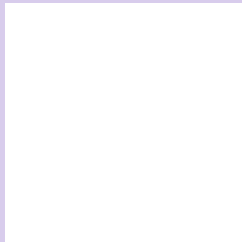
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.8408, 0.2996, 0.2940

Background



This preview shows how black text looks on a background with the Yxy color 63.8408, 0.2996, 0.2940.



This preview shows how white text looks on a background with the Yxy color 63.8408, 0.2996, 0.2940.

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

63.8408, 0.2996, 0.2940

Protanopia

64.1222, 0.2899, 0.2955

Deuteranopia

63.9936, 0.3003, 0.2941



Tritanopia

63.7665, 0.3069, 0.3100

Trichromacy



Original Color

63.8408, 0.2996, 0.2940

Protanomaly

64.1500, 0.2933, 0.2957

Deuteranomaly

63.9936, 0.3003, 0.2941

Tritanomaly

63.7112, 0.3042, 0.3035

Monochromacy



Original Color

63.8408, 0.2996, 0.2940

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

64.4252, 0.3081, 0.3155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8408, 0.2996, 0.2940 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(216, 204, 236)` looks like.

```
.text, #text, p{  
    color:rgb(216, 204, 236)  
}
```

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(216, 204, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 204, 236) }
```

Border

The CSS property to change the border of an element to Yxy 63.8408, 0.2996, 0.2940 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(216, 204, 236) }
```

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

```
.border{ border-color:rgb(216, 204, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 204, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 204, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 204, 236);  
box-shadow:4px 4px 4px 4px rgb(216, 204,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8408, 0.2996, 0.2940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 204, 236) }
```

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

```
.background{ background-color: rgb(216,  
204, 236) }
```

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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