

Converting Colors

$Y_{xy}(44.8725, 0.2986, 0.3038)$

Have a look what the booklet for
Yxy(44.8725, 0.2986, 0.3038)
contains.

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Color

Yxy(44.8948, 0.2986, 0.3044)

Conversions

Conversions Part 1

Format	Color
Hex	B2B1C4
RGB	178, 177, 196
RGB Percent	70%, 69%, 77%
CMY	0.3020, 0.3058, 0.2315
CMYK	0.09, 0.10, 0.00, 0.23
HSL	243°, 14%, 73%
HSV	243°, 10%, 77%
XYZ	44.0394, 44.8948, 58.5520
YIQ	179.4650, -5.5030, 6.1210

Conversions

Conversions Part 2

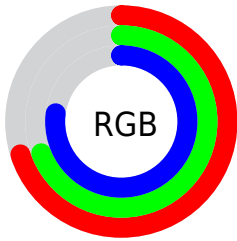
Format	Color
RYB	178, 177, 196
Decimal	11710916
CIELab	72.82, 4.05, -9.50
CIElCh	73, 10.324, 293.092
Yxy	44.8948, 0.2986, 0.3044
Android (android.graphics.Color)	4289900996 (0xFFB2B1C4)
YUV	179.4650, 8.1518, -1.2848
Hunter-Lab	67.0036, 0.0663, -4.9089

Details

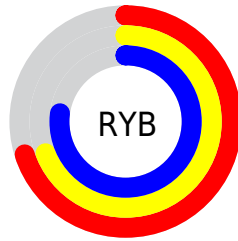
The Yxy color $44.8948, 0.2986, 0.3044$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $54.2459, 0.3261, 0.3526$, and the grayscale version is $45.2969, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.8621, 0.3011, 0.3088$, and $20.7283, 0.2944, 0.2970$ is the 20% darker color. If you saturate the color by 10%, you get $35.6491, 0.2820, 0.2758$, and if you desaturate by 10%, it is $55.5544, 0.3132, 0.3298$.

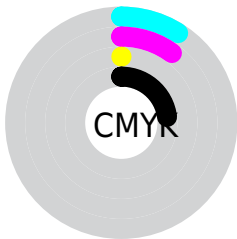
Distribution



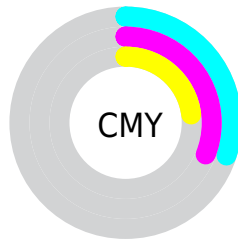
- Red (70%)
- Green (69%)
- Blue (77%)



- Red (70%)
- Yellow (69%)
- Blue (77%)



- Cyan (9%)
- Magenta (10%)
- Yellow (0%)
- Black (23%)



- Cyan (30%)
- Magenta (31%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8948, 0.2986, 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 44.8948, 0.2986, 0.3044 by changing the saturation by 10% instead.

■ 44.8948, 0.2986,
0.3044

■ 44.8948, 0.2986,
0.3044

366.3473, 0.3057,
0.3166

■ 31.3746, 0.2968,
0.3014

■ 82.5625, 0.3012,
0.3088

■ 20.8842, 0.2945,
0.2975

107.4788, 0.3022,
0.3105

■ 13.0394, 0.2914,
0.2923

136.9626, 0.3030,
0.3119

■ 7.4557, 0.2870,
0.2852

171.3982, 0.3037,
0.3131

■ 3.7487, 0.2804,
0.2746

211.1701, 0.3043,
0.3142

■ 1.5340, 0.2693,
0.2573

256.6627, 0.3048,

■ 0.3125, 0.2311,

0.3151

0.1824

308.2603, 0.3053,
0.3159

0.0000, 0.0000,
0.0000

44.8948, 0.2986,
0.3044

44.8948, 0.2986,
0.3044

35.6491, 0.2820,
0.2758

55.5544, 0.3132,
0.3298

27.7526, 0.2636,
0.2441

67.6778, 0.3258,
0.3519

21.1439, 0.2436,
0.2101

81.3195, 0.3367,
0.3712

15.7546, 0.2228,
0.1751

96.2717, 0.3460,
0.3874

11.5102, 0.2023,
0.1411

96.7643, 0.3478,
0.3870

■ 8.3277, 0.1837,
0.1107

■ 6.1134, 0.1684,
0.0864

■ 4.7566, 0.1576,
0.0699

■ 4.0663, 0.1516,
0.0610

Harmonies

Analogous

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



44.8948, 0.2884, 0.3064



44.8948, 0.2986, 0.3044



44.8948, 0.3128, 0.3087

Triad

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



44.8948, 0.2986, 0.3044



44.8948, 0.3416, 0.3425



44.8948, 0.2981, 0.3403

Complementary

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



44.8948, 0.2986, 0.3044



54.2459, 0.3261, 0.3526

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.



44.8948, 0.3121, 0.3506



44.8948, 0.2986, 0.3044



44.8948, 0.3374, 0.3516

Square

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



44.8948, 0.2986, 0.3044



44.8948, 0.3379, 0.3303



44.8948, 0.3266, 0.3547



44.8948, 0.2882, 0.3269

Rectangle

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



44.8948, 0.2986, 0.3044



44.8948, 0.3226, 0.3145



44.8948, 0.3266, 0.3547



44.8948, 0.3025, 0.3443

Sweetspot

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



44.8967, 0.2986, 0.3044



93.8645, 0.3085, 0.3216



52.3745, 0.2980, 0.3278



19.7487, 0.3073, 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.



44.8967, 0.2986, 0.3044



76.9079, 0.2946, 0.2975



46.0549, 0.3065, 0.3050



9.7719, 0.2991, 0.3052



2.6135, 0.1518, 0.0610



0.1215, 0.1586, 0.0647

Inverse Universe

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



47.1228, 0.3146, 0.3067



81.9069, 0.3151, 0.3008



53.0248, 0.3184, 0.3531



10.2384, 0.3145, 0.3074



9.8238, 0.3339, 0.1613



0.4272, 0.3308, 0.1596

Previews

White Background



This preview shows how the Yxy color 44.8948, 0.2986, 0.3044 looks on a white background.

Color Contrast Check

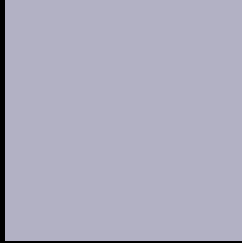
Large Text (above 18pt) WCAG AA × Fail

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 44.8948, 0.2986, 0.3044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

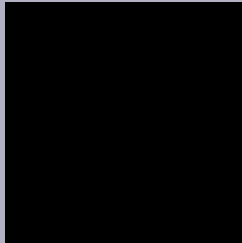
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

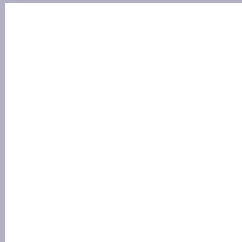
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.8948, 0.2986, 0.3044

Background



This preview shows how black text looks on a background with the Yxy color 44.8948, 0.2986, 0.3044.

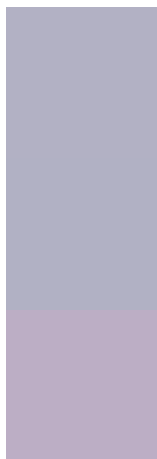


This preview shows how white text looks on a background with the Yxy color 44.8948, 0.2986, 0.3044.

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

44.8948, 0.2986, 0.3044

Protanopia

44.7769, 0.2978, 0.3043

Deuteranopia

44.9947, 0.3063, 0.2999



Tritanopia

44.9937, 0.3008, 0.3107

Trichromacy



Original Color

44.8948, 0.2986, 0.3044

Protanomaly

44.7769, 0.2978, 0.3043

Deuteranomaly

44.8815, 0.3029, 0.3009

Tritanomaly

45.0382, 0.3001, 0.3094

Monochromacy



Original Color

44.8948, 0.2986, 0.3044

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.9273, 0.3080, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8948, 0.2986, 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(178, 177, 196)` looks like.

```
.text, #text, p{  
    color:rgb(178, 177, 196)  
}
```

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(178, 177, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 177, 196) }
```

Border

The CSS property to change the border of an element to Yxy 44.8948, 0.2986, 0.3044 is called "border". The border property can be set on classes, ids or directly on the HTML element.

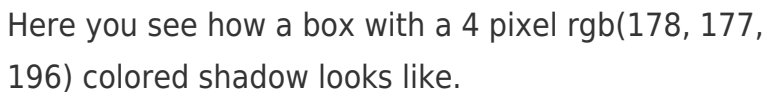
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 177, 196) }
```

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

```
.border{ border-color:rgb(178, 177, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 177, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 177, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 177, 196); box-shadow:4px 4px 4px 4px rgb(178, 177, 196) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8948, 0.2986, 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(178, 177, 196) }
```

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

```
.background{ background-color: rgb(178,  
177, 196) }
```

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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