

Converting Colors

$Y_{xy}(44.9902, 0.2988, 0.3070)$

Have a look what the booklet for
Yxy(44.9902, 0.2988, 0.3070)
contains.

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Color

Yxy(45.1280, 0.2985, 0.3069)

Conversions

Conversions Part 1

Format	Color
Hex	B1B2C3
RGB	177, 178, 195
RGB Percent	69%, 70%, 76%
CMY	0.3061, 0.3019, 0.2353
CMYK	0.09, 0.09, 0.00, 0.24
HSL	236°, 13%, 73%
HSV	236°, 9%, 76%
XYZ	43.8928, 45.1280, 58.0238
YIQ	179.6390, -6.0530, 5.0750

Conversions

Conversions Part 2

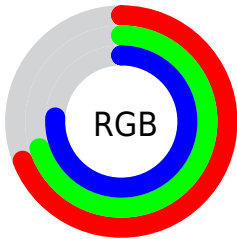
Format	Color
RYB	177, 178, 195
Decimal	11645635
CIELab	72.98, 2.96, -8.74
CIElCh	73, 9.228, 288.694
Yxy	45.1280, 0.2985, 0.3069
Android (android.graphics.Color)	4289835715 (0xFFB1B2C3)
YUV	179.6390, 7.5730, -2.3144
Hunter-Lab	67.1774, -0.9308, -4.1870

Details

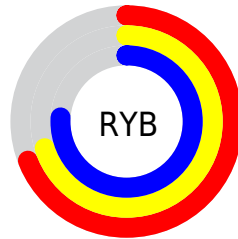
The Yxy color $45.1280, 0.2985, 0.3069$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $53.3240, 0.3265, 0.3502$, and the grayscale version is $45.3966, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.1976, 0.3011, 0.3108$, and $20.8754, 0.2944, 0.3005$ is the 20% darker color. If you saturate the color by 10%, you get $36.1834, 0.2813, 0.2800$, and if you desaturate by 10%, it is $55.3796, 0.3138, 0.3307$.

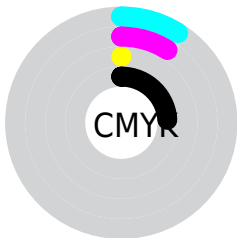
Distribution



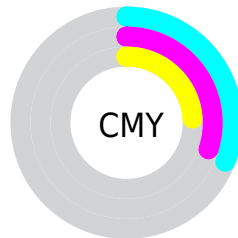
- Red (69%)
- Green (70%)
- Blue (76%)



- Red (69%)
- Yellow (70%)
- Blue (76%)



- Cyan (9%)
- Magenta (9%)
- Yellow (0%)
- Black (24%)



- Cyan (31%)
- Magenta (30%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1280, 0.2985, 0.3069 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 45.1280, 0.2985, 0.3069 by changing the saturation by 10% instead.

■ 45.1280, 0.2985,
0.3069

■ 45.1280, 0.2985,
0.3069

367.2917, 0.3057,
0.3179

■ 31.5583, 0.2967,
0.3042

■ 82.9125, 0.3011,
0.3109

■ 21.0243, 0.2944,
0.3007

107.8960, 0.3021,
0.3124

■ 13.1418, 0.2913,
0.2960

137.4528, 0.3029,
0.3137

■ 7.5262, 0.2869,
0.2895

171.9675, 0.3036,
0.3148

■ 3.7933, 0.2803,
0.2799

211.8243, 0.3042,
0.3157

■ 1.5586, 0.2693,
0.2641

257.4077, 0.3048,

■ 0.3295, 0.2287,

0.3165

0.1956

309.1020, 0.3052,
0.3173

0.0000, 0.0000,
0.0000

45.1280, 0.2985,
0.3069

45.1280, 0.2985,
0.3069

36.1834, 0.2813,
0.2800

55.3796, 0.3138,
0.3307

28.4878, 0.2624,
0.2500

66.9818, 0.3272,
0.3514

21.9873, 0.2421,
0.2176

79.9831, 0.3389,
0.3693

16.6219, 0.2213,
0.1839

94.4281, 0.3491,
0.3847

12.3265, 0.2010,
0.1505

96.7199, 0.3484,
0.3880

■ 9.0292, 0.1826,
0.1197

■ 6.6493, 0.1676,
0.0939

■ 5.0936, 0.1572,
0.0751

■ 4.2356, 0.1513,
0.0640

Harmonies

Analogous

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



45.1280, 0.2901, 0.3096



45.1280, 0.2985, 0.3069



45.1280, 0.3108, 0.3099

Triad

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



45.1280, 0.2985, 0.3069



45.1280, 0.3384, 0.3396



45.1280, 0.3014, 0.3407

Complementary

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



45.1280, 0.2985, 0.3069



53.3240, 0.3265, 0.3502

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.



45.1280, 0.3142, 0.3492



45.1280, 0.2985, 0.3069



45.1280, 0.3357, 0.3483

Square

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



45.1280, 0.2985, 0.3069



45.1280, 0.3341, 0.3285



45.1280, 0.3268, 0.3519



45.1280, 0.2918, 0.3289

Rectangle

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



45.1280, 0.2985, 0.3069



45.1280, 0.3197, 0.3147



45.1280, 0.3268, 0.3519



45.1280, 0.3055, 0.3440

Sweetspot

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



45.1299, 0.2985, 0.3069



91.9493, 0.3082, 0.3220



52.2553, 0.2995, 0.3305



19.8045, 0.3070, 0.3201



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.



45.1299, 0.2985, 0.3069



77.5846, 0.2954, 0.3020



45.6498, 0.3050, 0.3060



9.8418, 0.2983, 0.3066



2.7678, 0.1512, 0.0643



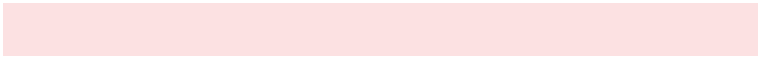
0.1534, 0.1556, 0.0801

Inverse Universe

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



46.2409, 0.3278, 0.3277



79.9664, 0.3313, 0.3274



52.7877, 0.3199, 0.3519



10.0874, 0.3280, 0.3277



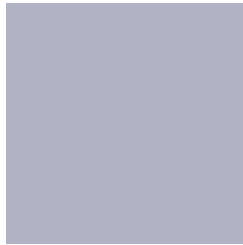
7.5616, 0.6327, 0.3259



0.3301, 0.6068, 0.3117

Previews

White Background



This preview shows how the Yxy color 45.1280, 0.2985, 0.3069 looks on a white background.

Color Contrast Check

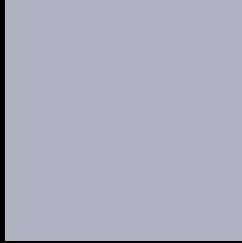
Large Text (above 18pt) WCAG AA × Fail

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 45.1280, 0.2985, 0.3069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

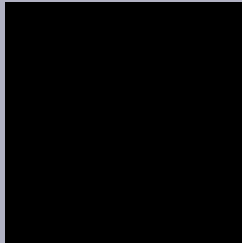
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

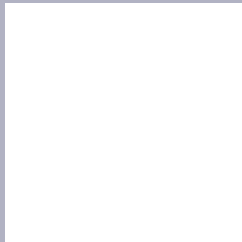
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1280, 0.2985, 0.3069

Background



This preview shows how black text looks on a background with the Yxy color 45.1280, 0.2985, 0.3069.



This preview shows how white text looks on a background with the Yxy color 45.1280, 0.2985, 0.3069.

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

45.1280, 0.2985, 0.3069

Protanopia

45.2459, 0.2994, 0.3069

Deuteranopia

45.0764, 0.3079, 0.3012



Tritanopia

45.0382, 0.3001, 0.3094

Trichromacy



Original Color

45.1280, 0.2985, 0.3069

Protanomaly

45.2459, 0.2994, 0.3069

Deuteranomaly

44.9598, 0.3045, 0.3022

Tritanomaly

45.0829, 0.2993, 0.3081

Monochromacy



Original Color

45.1280, 0.2985, 0.3069

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.3267, 0.3080, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1280, 0.2985, 0.3069 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(177, 178, 195)` looks like.

```
.text, #text, p{  
    color:rgb(177, 178, 195)  
}
```

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(177, 178, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 178, 195) }
```

Border

The CSS property to change the border of an element to Yxy 45.1280, 0.2985, 0.3069 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(177, 178, 195) }
```

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

```
.border{ border-color:rgb(177, 178, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 178, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 178, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 178, 195);  
box-shadow:4px 4px 4px 4px rgb(177, 178,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1280, 0.2985, 0.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 178, 195) }
```

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

```
.background{ background-color: rgb(177,  
178, 195) }
```

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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