

Converting Colors

$Y_{xy}(44.8099, 0.2974, 0.3158)$

Have a look what the booklet for
Yxy(44.8099, 0.2974, 0.3158)
contains.

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Color

Yxy(45.0181, 0.2974, 0.3157)

Conversions

Conversions Part 1

Format	Color
Hex	ABB4BE
RGB	171, 180, 190
RGB Percent	67%, 71%, 75%
CMY	0.3294, 0.2941, 0.2549
CMYK	0.10, 0.05, 0.00, 0.25
HSL	212°, 13%, 71%
HSV	212°, 10%, 75%
XYZ	42.4086, 45.0181, 55.1711
YIQ	178.4490, -8.5740, 1.2020

Conversions

Conversions Part 2

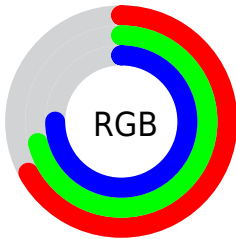
Format	Color
RYB	171, 177, 190
Decimal	11252926
CIELab	72.90, -1.14, -6.16
CIElCh	73, 6.268, 259.547
Yxy	45.0181, 0.2974, 0.3157
Android (android.graphics.Color)	4289443006 (0xFFABB4BE)
YUV	178.4490, 5.6946, -6.5328
Hunter-Lab	67.0955, -4.5940, -1.7859

Details

The Yxy color **45.0181, 0.2974, 0.3157** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.9305, 0.3287, 0.3420**, and the grayscale version is **44.7439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8135, 0.3001, 0.3187**, and **20.9068, 0.2930, 0.3107** is the 20% darker color. If you saturate the color by 10%, you get **39.1479, 0.2814, 0.3009**, and if you desaturate by 10%, it is **51.4896, 0.3127, 0.3290**.

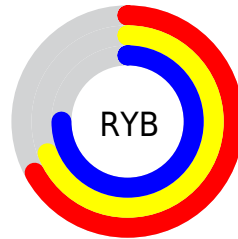
Distribution



Red (67%)

Green (71%)

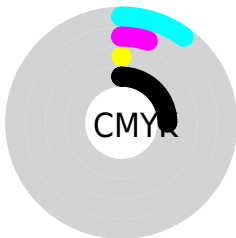
Blue (75%)



Red (67%)

Yellow (69%)

Blue (75%)

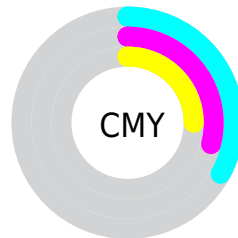


Cyan (10%)

Magenta (5%)

Yellow (0%)

Black (25%)



Cyan (33%)

Magenta (29%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0181, 0.2974, 0.3157 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 45.0181, 0.2974, 0.3157 by changing the saturation by 10% instead.

■ 45.0181, 0.2974,
0.3157

■ 45.0181, 0.2974,
0.3157

366.8469, 0.3051,
0.3224

■ 31.4717, 0.2955,
0.3140

■ 82.7476, 0.3002,
0.3181

■ 20.9583, 0.2930,
0.3118

107.6994, 0.3012,
0.3191

■ 13.0935, 0.2897,
0.3089

137.2219, 0.3021,
0.3198

■ 7.4930, 0.2851,
0.3048

171.6993, 0.3029,
0.3205

■ 3.7723, 0.2781,
0.2986

211.5161, 0.3035,
0.3211

■ 1.5470, 0.2665,
0.2882

257.0567, 0.3041,

■ 0.3215, 0.2013,

0.3216

0.2329

308.7055, 0.3046,
0.3220

0.0000, 0.0000,
0.0000

45.0181, 0.2974,
0.3157

45.0181, 0.2974,
0.3157

39.1479, 0.2814,
0.3009

51.4896, 0.3127,
0.3290

33.8541, 0.2651,
0.2845

58.5748, 0.3272,
0.3408

29.1185, 0.2486,
0.2667

66.2930, 0.3408,
0.3512

24.9194, 0.2326,
0.2477

74.6607, 0.3535,
0.3604

21.2336, 0.2173,
0.2277

81.5489, 0.3572,
0.3695

■ 18.0356, 0.2035,
0.2073

■ 87.2686, 0.3548,
0.3791

■ 15.2973, 0.1916,
0.1870

■ 93.3121, 0.3525,
0.3884

■ 12.9864, 0.1821,
0.1674

■ 96.4979, 0.3514,
0.3929

■ 11.0469, 0.1747,
0.1489

Harmonies

Analogous

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



45.0181, 0.2956, 0.3211



45.0181, 0.2974, 0.3157



45.0181, 0.3033, 0.3139

Triad

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



45.0181, 0.2974, 0.3157



45.0181, 0.3274, 0.3290



45.0181, 0.3135, 0.3425

Complementary

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



45.0181, 0.2974, 0.3157



46.9305, 0.3287, 0.3420

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.



45.0181, 0.3221, 0.3445



45.0181, 0.2974, 0.3157



45.0181, 0.3302, 0.3365

Square

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



45.0181, 0.2974, 0.3157



45.0181, 0.3206, 0.3215



45.0181, 0.3282, 0.3423



45.0181, 0.3048, 0.3367

Rectangle

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



45.0181, 0.2974, 0.3157



45.0181, 0.3088, 0.3149



45.0181, 0.3282, 0.3423



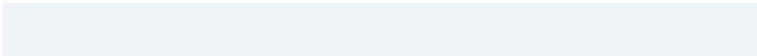
45.0181, 0.3165, 0.3436

Sweetspot

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



45.0200, 0.2974, 0.3157



89.6198, 0.3081, 0.3251



48.8142, 0.3042, 0.3412



19.4673, 0.3069, 0.3240



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.0200, 0.2974, 0.3157



79.1600, 0.2940, 0.3126



41.5327, 0.2976, 0.3035



9.9514, 0.2984, 0.3166



7.5002, 0.1754, 0.1513



0.4248, 0.1880, 0.1966

Inverse Universe

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



43.3655, 0.3223, 0.3174



75.6202, 0.3246, 0.3148



50.6755, 0.3271, 0.3533



9.6097, 0.3216, 0.3182



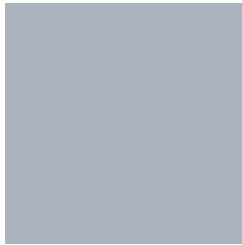
7.7868, 0.5042, 0.2551



0.3182, 0.4491, 0.2248

Previews

White Background



This preview shows how the Yxy color 45.0181, 0.2974, 0.3157 looks on a white background.

Color Contrast Check

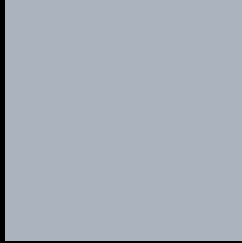
Large Text (above 18pt) WCAG AA × Fail

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 45.0181, 0.2974, 0.3157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

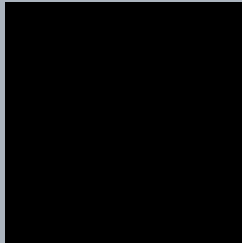
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

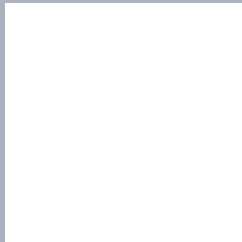
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.0181, 0.2974, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 45.0181, 0.2974, 0.3157.



This preview shows how white text looks on a background with the Yxy color 45.0181, 0.2974, 0.3157.

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

45.0181, 0.2974, 0.3157

Protanopia

45.0986, 0.3048, 0.3146

Deuteranopia

44.9808, 0.3129, 0.3074



Tritanopia

44.9059, 0.2952, 0.3092

Trichromacy



Original Color

45.0181, 0.2974, 0.3157

Protanomaly

45.1444, 0.3023, 0.3158

Deuteranomaly

44.8795, 0.3067, 0.3096

Tritanomaly

44.8611, 0.2960, 0.3105

Monochromacy



Original Color

45.0181, 0.2974, 0.3157

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.7316, 0.3069, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0181, 0.2974, 0.3157 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(171, 180, 190)` looks like.

```
.text, #text, p{  
    color:rgb(171, 180, 190)  
}
```

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(171, 180, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 180, 190) }
```

Border

The CSS property to change the border of an element to Yxy 45.0181, 0.2974, 0.3157 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(171, 180, 190) }
```

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

```
.border{ border-color:rgb(171, 180, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 180, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 180, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 180, 190);  
box-shadow:4px 4px 4px 4px rgb(171, 180,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0181, 0.2974, 0.3157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 180, 190) }
```

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

```
.background{ background-color: rgb(171,  
180, 190) }
```

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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