

Converting Colors

$Y_{xy}(45.9558, 0.2975, 0.3032)$

Have a look what the booklet for
Yxy(45.9558, 0.2975, 0.3032)
contains.

Yxy(45.9474, 0.2972, 0.3033)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.9474, 0.2972, 0.3033)

Conversions

Conversions Part 1

Format	Color
Hex	B3B3C7
RGB	179, 179, 199
RGB Percent	70%, 70%, 78%
CMY	0.2979, 0.2981, 0.2197
CMYK	0.10, 0.10, 0.00, 0.22
HSL	240°, 15%, 74%
HSV	240°, 10%, 78%
XYZ	45.0233, 45.9474, 60.5209
YIQ	181.2800, -6.4200, 6.2200

Conversions

Conversions Part 2

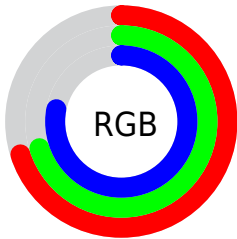
Format	Color
R_{YB}	179, 179, 199
Decimal	11776967
CIE _{Lab}	73.51, 3.94, -10.11
CIE _{LCh}	74, 10.852, 291.289
Yxy	45.9474, 0.2972, 0.3033
Android (android.graphics.Color)	4289967047 (0xFFB3B3C7)
YUV	181.2800, 8.7360, -1.9996
Hunter-Lab	67.7845, -0.0610, -5.4875

Details

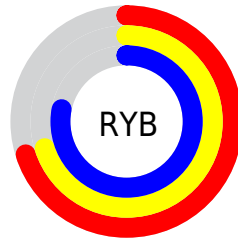
The Yxy color **45.9474, 0.2972, 0.3033** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.2318, 0.3275, 0.3535**, and the grayscale version is **46.3251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2988, 0.3006, 0.3089**, and **21.4017, 0.2926, 0.2957** is the 20% darker color. If you saturate the color by 10%, you get **36.3410, 0.2797, 0.2743**, and if you desaturate by 10%, it is **57.0496, 0.3126, 0.3289**.

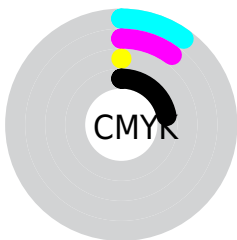
Distribution



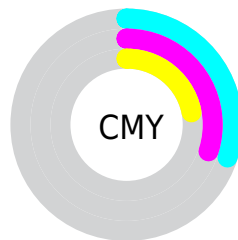
- Red (70%)
- Green (70%)
- Blue (78%)



- Red (70%)
- Yellow (70%)
- Blue (78%)



- Cyan (10%)
- Magenta (10%)
- Yellow (0%)
- Black (22%)



- Cyan (30%)
- Magenta (30%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9474, 0.2972, 0.3033 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 45.9474, 0.2972, 0.3033 by changing the saturation by 10% instead.

■ 45.9474, 0.2972,
0.3033

■ 45.9474, 0.2972,
0.3033

370.5971, 0.3050,
0.3160

■ 32.2043, 0.2952,
0.3002

■ 84.1403, 0.3000,
0.3079

■ 21.5176, 0.2927,
0.2961

109.3588, 0.3011,
0.3096

■ 13.5029, 0.2894,
0.2908

139.1714, 0.3020,
0.3111

■ 7.7757, 0.2846,
0.2835

173.9623, 0.3028,
0.3124

■ 3.9518, 0.2776,
0.2727

214.1159, 0.3034,
0.3135

■ 1.6466, 0.2659,
0.2553

260.0166, 0.3040,

■ 0.3887, 0.2335,

0.3144

0.1949

312.0489, 0.3045,
0.3153

0.0000, 0.0000,
0.0000

45.9474, 0.2972,
0.3033

45.9474, 0.2972,
0.3033

36.3410, 0.2797,
0.2743

57.0496, 0.3126,
0.3289

28.1611, 0.2603,
0.2422

69.7015, 0.3261,
0.3511

21.3414, 0.2394,
0.2076

83.9617, 0.3377,
0.3703

15.8081, 0.2179,
0.1721

96.9030, 0.3460,
0.3840

11.4807, 0.1972,
0.1379

■ 8.2693, 0.1788,
0.1075

■ 6.0716, 0.1644,
0.0837

■ 4.7665, 0.1550,
0.0681

■ 4.1253, 0.1501,
0.0600

Harmonies

Analogous

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



45.9474, 0.2869, 0.3058



45.9474, 0.2972, 0.3033



45.9474, 0.3118, 0.3074

Triad

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



45.9474, 0.2972, 0.3033



45.9474, 0.3429, 0.3424



45.9474, 0.2983, 0.3416

Complementary

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



45.9474, 0.2972, 0.3033



56.2318, 0.3275, 0.3535

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.



45.9474, 0.3130, 0.3520



45.9474, 0.2972, 0.3033



45.9474, 0.3390, 0.3521

Square

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



45.9474, 0.2972, 0.3033



45.9474, 0.3385, 0.3295



45.9474, 0.3280, 0.3558



45.9474, 0.2876, 0.3276

Rectangle

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



45.9474, 0.2972, 0.3033



45.9474, 0.3221, 0.3132



45.9474, 0.3280, 0.3558



45.9474, 0.3029, 0.3456

Sweetspot

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



45.9493, 0.2972, 0.3033



93.7961, 0.3082, 0.3216



54.5479, 0.2974, 0.3290



19.7304, 0.3070, 0.3195



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.



45.9493, 0.2972, 0.3033



76.6665, 0.2936, 0.2974



47.1797, 0.3054, 0.3039



10.2884, 0.2983, 0.3051



2.6534, 0.1501, 0.0600



0.1260, 0.1503, 0.0602

Inverse Universe

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



48.5007, 0.3139, 0.3046



82.0031, 0.3141, 0.2994



54.9140, 0.3194, 0.3541



10.8163, 0.3138, 0.3063



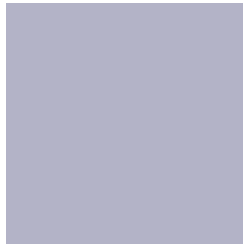
10.4488, 0.3214, 0.1544



0.4949, 0.3213, 0.1543

Previews

White Background



This preview shows how the Yxy color 45.9474, 0.2972, 0.3033 looks on a white background.

Color Contrast Check

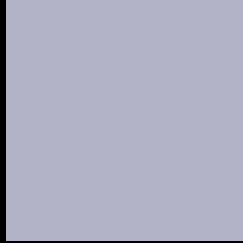
Large Text (above 18pt) WCAG AA × Fail

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 45.9474, 0.2972, 0.3033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

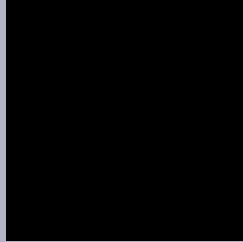
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9474, 0.2972, 0.3033

Background



This preview shows how black text looks on a background with the Yxy color 45.9474, 0.2972, 0.3033.



This preview shows how white text looks on a background with the Yxy color 45.9474, 0.2972, 0.3033.

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

45.9474, 0.2972, 0.3033

Protanopia

45.8287, 0.2963, 0.3032

Deuteranopia

46.0396, 0.3047, 0.2989



Tritanopia

46.0025, 0.3001, 0.3108

Trichromacy



Original Color

45.9474, 0.2972, 0.3033

Protanomaly

45.8287, 0.2963, 0.3032

Deuteranomaly

45.9287, 0.3014, 0.2999

Tritanomaly

46.0930, 0.2986, 0.3083

Monochromacy



Original Color

45.9474, 0.2972, 0.3033

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.9767, 0.3064, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9474, 0.2972, 0.3033 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(179, 179, 199)` looks like.

```
.text, #text, p{  
    color:rgb(179, 179, 199)  
}
```

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(179, 179, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 179, 199) }
```

Border

The CSS property to change the border of an element to Yxy 45.9474, 0.2972, 0.3033 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(179, 179, 199) }
```

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

```
.border{ border-color:rgb(179, 179, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 179, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 179, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 179, 199);  
box-shadow:4px 4px 4px 4px rgb(179, 179,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9474, 0.2972, 0.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 179, 199) }
```

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

```
.background{ background-color: rgb(179,  
179, 199) }
```

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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