

Converting Colors

$Y_{xy}(45.0866, 0.2970, 0.3005)$

Have a look what the booklet for
Yxy(45.0866, 0.2970, 0.3005)
contains.

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Color

Yxy(45.1515, 0.2971, 0.3007)

Conversions

Conversions Part 1

Format	Color
Hex	B3B1C7
RGB	179, 177, 199
RGB Percent	70%, 69%, 78%
CMY	0.2983, 0.3058, 0.2196
CMYK	0.10, 0.11, 0.00, 0.22
HSL	245°, 16%, 74%
HSV	245°, 11%, 78%
XYZ	44.6109, 45.1515, 60.3922
YIQ	180.1060, -5.8700, 7.2660

Conversions

Conversions Part 2

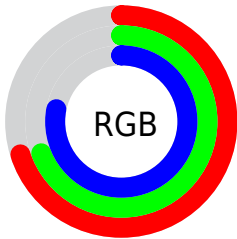
Format	Color
R _Y B	179, 177, 199
Decimal	11776455
CIE Lab	72.99, 4.99, -10.89
CIE LCh	73, 11.979, 294.604
Yxy	45.1515, 0.2971, 0.3007
Android (android.graphics.Color)	4289966535 (0xFFB3B1C7)
YUV	180.1060, 9.3147, -0.9700
Hunter-Lab	67.1949, 0.9159, -6.2512

Details

The Yxy color `45.1515, 0.2971, 0.3007` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `55.8991, 0.3274, 0.3561`, and the grayscale version is `45.6501, 0.3127, 0.3290`.

A 20% lighter version of the original color is `83.1600, 0.3006, 0.3069`, and `20.8953, 0.2925, 0.2921` is the 20% darker color. If you saturate the color by 10%, you get `35.8337, 0.2809, 0.2717`, and if you desaturate by 10%, it is `55.9043, 0.3113, 0.3265`.

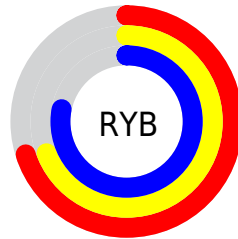
Distribution



Red (70%)

Green (69%)

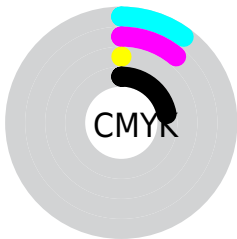
Blue (78%)



Red (70%)

Yellow (69%)

Blue (78%)

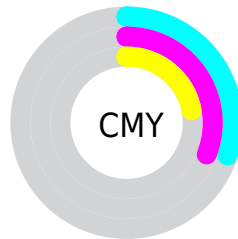


Cyan (10%)

Magenta (11%)

Yellow (0%)

Black (22%)



Cyan (30%)

Magenta (31%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1515, 0.2971, 0.3007 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 45.1515, 0.2971, 0.3007 by changing the saturation by 10% instead.

■ 45.1515, 0.2971,
0.3007

■ 45.1515, 0.2971,
0.3007

367.3868, 0.3050,
0.3147

■ 31.5768, 0.2951,
0.2972

■ 82.9477, 0.3000,
0.3058

■ 21.0384, 0.2925,
0.2928

107.9380, 0.3011,
0.3077

■ 13.1521, 0.2891,
0.2870

137.5022, 0.3020,
0.3093

■ 7.5334, 0.2843,
0.2789

172.0248, 0.3027,
0.3107

■ 3.7978, 0.2770,
0.2670

211.8902, 0.3034,
0.3119

■ 1.5611, 0.2648,
0.2478

257.4827, 0.3040,

■ 0.3312, 0.2299,

0.3130

0.1744

309.1868, 0.3045,
0.3139

0.0000, 0.0000,
0.0000

45.1515, 0.2971,
0.3007

45.1515, 0.2971,
0.3007

35.8337, 0.2809,
0.2717

55.9043, 0.3113,
0.3265

27.8847, 0.2628,
0.2399

68.1432, 0.3237,
0.3491

21.2418, 0.2432,
0.2060

81.9239, 0.3343,
0.3689

15.8347, 0.2229,
0.1713

96.2596, 0.3437,
0.3844

11.5871, 0.2029,
0.1380

96.9032, 0.3460,
0.3840

■ 8.4138, 0.1845,
0.1084

■ 6.2179, 0.1694,
0.0850

■ 4.8850, 0.1586,
0.0694

■ 4.2463, 0.1527,
0.0615

Harmonies

Analogous

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



45.1515, 0.2851, 0.3026



45.1515, 0.2971, 0.3007



45.1515, 0.3136, 0.3060

Triad

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



45.1515, 0.2971, 0.3007



45.1515, 0.3462, 0.3452



45.1515, 0.2951, 0.3413

Complementary

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



45.1515, 0.2971, 0.3007



55.8991, 0.3274, 0.3561

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.



45.1515, 0.3111, 0.3537



45.1515, 0.2971, 0.3007



45.1515, 0.3409, 0.3555

Square

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



45.1515, 0.2971, 0.3007



45.1515, 0.3423, 0.3311



45.1515, 0.3279, 0.3588



45.1515, 0.2839, 0.3257

Rectangle

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



45.1515, 0.2971, 0.3007



45.1515, 0.3250, 0.3128



45.1515, 0.3279, 0.3588



45.1515, 0.3001, 0.3461

Sweetspot

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



45.1534, 0.2971, 0.3007



93.9158, 0.3086, 0.3216



53.4794, 0.2959, 0.3266



19.7625, 0.3075, 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.



45.1534, 0.2971, 0.3007



75.3505, 0.2938, 0.2947



46.5027, 0.3062, 0.3015



10.3311, 0.2996, 0.3052



2.7472, 0.1532, 0.0618



0.1457, 0.1639, 0.0677

Inverse Universe

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



47.6287, 0.3155, 0.3044



80.4574, 0.3161, 0.2995



54.4805, 0.3186, 0.3568



10.8000, 0.3151, 0.3082



9.9749, 0.3440, 0.1669



0.4771, 0.3386, 0.1639

Previews

White Background



This preview shows how the Yxy color 45.1515, 0.2971, 0.3007 looks on a white background.

Color Contrast Check

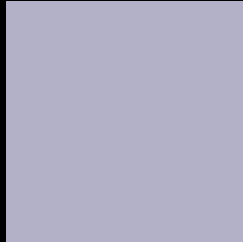
Large Text (above 18pt) WCAG AA × Fail

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 45.1515, 0.2971, 0.3007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

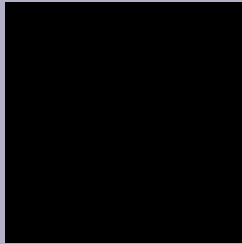
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

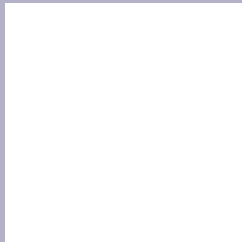
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1515, 0.2971, 0.3007

Background



This preview shows how black text looks on a background with the Yxy color 45.1515, 0.2971, 0.3007.



This preview shows how white text looks on a background with the Yxy color 45.1515, 0.2971, 0.3007.

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

45.1515, 0.2971, 0.3007

Protanopia

45.1944, 0.2947, 0.3018

Deuteranopia

45.0070, 0.3031, 0.2962



Tritanopia

45.1115, 0.3017, 0.3107

Trichromacy



Original Color

45.1515, 0.2971, 0.3007

Protanomaly

45.3114, 0.2955, 0.3018

Deuteranomaly

45.0204, 0.3005, 0.2972

Tritanomaly

45.2459, 0.2994, 0.3069

Monochromacy



Original Color

45.1515, 0.2971, 0.3007

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.5314, 0.3072, 0.3186

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1515, 0.2971, 0.3007 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, 177, 199)` looks like.

```
.text, #text, p{  
    color:rgb(179, 177, 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, 177, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 177, 199) }
```

Border

The CSS property to change the border of an element to Yxy 45.1515, 0.2971, 0.3007 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, 177, 199) }
```

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

```
.border{ border-color:rgb(179, 177, 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, 177, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 177, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 177, 199);  
box-shadow:4px 4px 4px 4px rgb(179, 177,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1515, 0.2971, 0.3007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 177, 199) }
```

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

```
.background{ background-color: rgb(179,  
177, 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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