

Converting Colors

$Y_{xy}(45.0391, 0.2926, 0.3011)$

Have a look what the booklet for
Yxy(45.0391, 0.2926, 0.3011)
contains.

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Color

Yxy(45.0096, 0.2923, 0.3004)

Conversions

Conversions Part 1

Format	Color
Hex	AEB2C8
RGB	174, 178, 200
RGB Percent	68%, 70%, 78%
CMY	0.3178, 0.3019, 0.2157
CMYK	0.13, 0.11, 0.00, 0.22
HSL	231°, 19%, 73%
HSV	231°, 13%, 78%
XYZ	43.7960, 45.0096, 61.0267
YIQ	179.3120, -9.4460, 5.9940

Conversions

Conversions Part 2

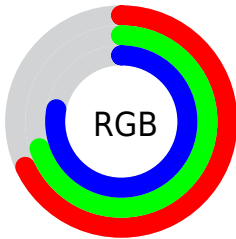
Format	Color
RYB	174, 177, 200
Decimal	11449032
CIELab	72.90, 3.01, -11.63
CIELCh	73, 12.009, 284.510
Yxy	45.0096, 0.2923, 0.3004
Android (android.graphics.Color)	4289639112 (0xFFAEB2C8)
YUV	179.3120, 10.1992, -4.6586
Hunter-Lab	67.0892, -0.8809, -6.9698

Details

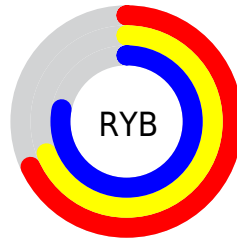
The Yxy color `45.0096, 0.2923, 0.3004` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `54.7967, 0.3326, 0.3561`, and the grayscale version is `45.2013, 0.3127, 0.3290`.

A 20% lighter version of the original color is `82.8886, 0.2974, 0.3077`, and `20.8075, 0.2860, 0.2916` is the 20% darker color. If you saturate the color by 10%, you get `36.5693, 0.2748, 0.2752`, and if you desaturate by 10%, it is `54.6234, 0.3082, 0.3228`.

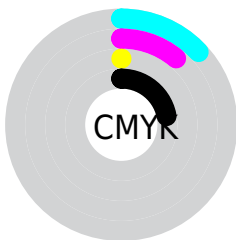
Distribution



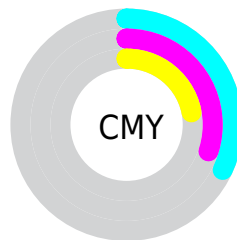
- Red (68%)
- Green (70%)
- Blue (78%)



- Red (68%)
- Yellow (69%)
- Blue (78%)



- Cyan (13%)
- Magenta (11%)
- Yellow (0%)
- Black (22%)



- Cyan (32%)
- Magenta (30%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0096, 0.2923, 0.3004 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 45.0096, 0.2923, 0.3004 by changing the saturation by 10% instead.

■ 45.0096, 0.2923,
0.3004

■ 45.0096, 0.2923,
0.3004

366.8124, 0.3026,
0.3146

■ 31.4650, 0.2897,
0.2969

■ 82.7348, 0.2960,
0.3056

■ 20.9532, 0.2864,
0.2924

107.6842, 0.2974,
0.3075

■ 13.0898, 0.2820,
0.2864

137.2040, 0.2986,
0.3091

■ 7.4904, 0.2758,
0.2781

171.6785, 0.2996,
0.3105

■ 3.7706, 0.2665,
0.2659

211.4923, 0.3005,
0.3118

■ 1.5461, 0.2513,
0.2461

257.0296, 0.3013,

■ 0.3209, 0.2018,

0.3128

0.1711

308.6748, 0.3020,
0.3138

0.0000, 0.0000,
0.0000

45.0096, 0.2923,
0.3004

45.0096, 0.2923,
0.3004

36.5693, 0.2748,
0.2752

54.6234, 0.3082,
0.3228

29.2520, 0.2560,
0.2475

65.4477, 0.3225,
0.3424

23.0115, 0.2363,
0.2175

77.5247, 0.3352,
0.3596

17.7964, 0.2165,
0.1864

90.8930, 0.3465,
0.3744

13.5510, 0.1976,
0.1555

96.9505, 0.3454,
0.3830

■ 10.2141, 0.1807,
0.1267

■ 7.7174, 0.1672,
0.1017

■ 5.9823, 0.1578,
0.0823

■ 5.1549, 0.1535,
0.0725

Harmonies

Analogous

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



45.0096, 0.2824, 0.3048



45.0096, 0.2923, 0.3004



45.0096, 0.3078, 0.3034

Triad

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



45.0096, 0.2923, 0.3004



45.0096, 0.3461, 0.3407



45.0096, 0.3001, 0.3462

Complementary

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



45.0096, 0.2923, 0.3004



54.7967, 0.3326, 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.



45.0096, 0.3169, 0.3564



45.0096, 0.2923, 0.3004



45.0096, 0.3438, 0.3527

Square

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



45.0096, 0.2923, 0.3004



45.0096, 0.3391, 0.3262



45.0096, 0.3330, 0.3587



45.0096, 0.2869, 0.3310

Rectangle

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



45.0096, 0.2923, 0.3004



45.0096, 0.3193, 0.3090



45.0096, 0.3330, 0.3587



45.0096, 0.3055, 0.3503

Sweetspot

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



45.0115, 0.2923, 0.3004



92.7427, 0.3067, 0.3206



54.2770, 0.2960, 0.3345



19.5669, 0.3055, 0.3190



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.



45.0115, 0.2923, 0.3004



73.0173, 0.2869, 0.2926



44.4535, 0.2994, 0.2957



10.5492, 0.2983, 0.3089



3.3625, 0.1539, 0.0741



0.2460, 0.1631, 0.1073

Inverse Universe

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



45.7543, 0.3327, 0.3240



74.6505, 0.3386, 0.3227



55.4853, 0.3249, 0.3616



10.6634, 0.3266, 0.3254



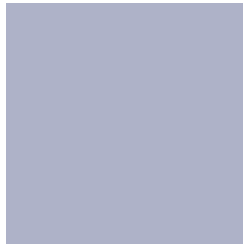
7.8794, 0.6165, 0.3170



0.3819, 0.5650, 0.2886

Previews

White Background



This preview shows how the Yxy color 45.0096, 0.2923, 0.3004 looks on a white background.

Color Contrast Check

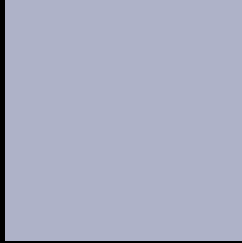
Large Text (above 18pt) WCAG AA × Fail

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 45.0096, 0.2923, 0.3004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

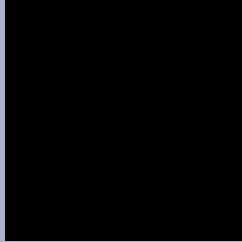
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0096, 0.2923, 0.3004

Background



This preview shows how black text looks on a background with the Yxy color 45.0096, 0.2923, 0.3004.



This preview shows how white text looks on a background with the Yxy color 45.0096, 0.2923, 0.3004.

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

45.0096, 0.2923, 0.3004

Protanopia

44.8445, 0.2939, 0.2992

Deuteranopia

44.9283, 0.3014, 0.2949



Tritanopia

44.9747, 0.2968, 0.3106

Trichromacy



Original Color

45.0096, 0.2923, 0.3004

Protanomaly

44.7284, 0.2931, 0.2991

Deuteranomaly

44.8221, 0.2981, 0.2958

Tritanomaly

45.1100, 0.2945, 0.3067

Monochromacy



Original Color

45.0096, 0.2923, 0.3004

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.1752, 0.3047, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0096, 0.2923, 0.3004 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(174, 178, 200)` looks like.

```
.text, #text, p{  
    color:rgb(174, 178, 200)  
}
```

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(174, 178, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 178, 200) }
```

Border

The CSS property to change the border of an element to Yxy 45.0096, 0.2923, 0.3004 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(174, 178, 200) }
```

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

```
.border{ border-color:rgb(174, 178, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 178, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 178, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 178, 200);  
box-shadow:4px 4px 4px 4px rgb(174, 178,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0096, 0.2923, 0.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 178, 200) }
```

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

```
.background{ background-color: rgb(174,  
178, 200) }
```

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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