

Converting Colors

$Y_{xy}(45.2849, 0.2939, 0.3014)$

Have a look what the booklet for
Yxy(45.2849, 0.2939, 0.3014)
contains.

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Color

Yxy(45.2410, 0.2940, 0.3005)

Conversions

Conversions Part 1

Format	Color
Hex	B0B2C8
RGB	176, 178, 200
RGB Percent	69%, 70%, 78%
CMY	0.3095, 0.3020, 0.2156
CMYK	0.12, 0.11, 0.00, 0.22
HSL	235°, 18%, 74%
HSV	235°, 12%, 78%
XYZ	44.2624, 45.2410, 61.0490
YIQ	179.9100, -8.2540, 6.4180

Conversions

Conversions Part 2

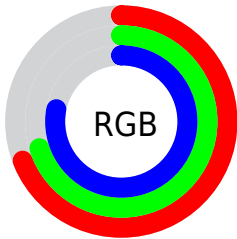
Format	Color
R _Y B	176, 178, 200
Decimal	11580104
CIE Lab	73.05, 3.72, -11.38
CIE LCh	73, 11.976, 288.094
Yxy	45.2410, 0.2940, 0.3005
Android (android.graphics.Color)	4289770184 (0xFFB0B2C8)
YUV	179.9100, 9.9044, -3.4291
Hunter-Lab	67.2614, -0.2429, -6.7308

Details

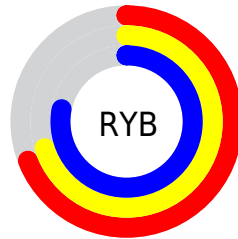
The Yxy color $45.2410, 0.2940, 0.3005$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $55.8506, 0.3307, 0.3560$, and the grayscale version is $45.5463, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.2214, 0.2987, 0.3078$, and $20.9535, 0.2882, 0.2919$ is the 20% darker color. If you saturate the color by 10%, you get $36.2420, 0.2764, 0.2733$, and if you desaturate by 10%, it is $55.5697, 0.3098, 0.3246$.

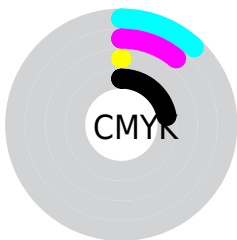
Distribution



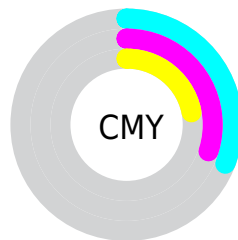
- Red (69%)
- Green (70%)
- Blue (78%)



- Red (69%)
- Yellow (70%)
- Blue (78%)



- Cyan (12%)
- Magenta (11%)
- Yellow (0%)
- Black (22%)



- Cyan (31%)
- Magenta (30%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2410, 0.2940, 0.3005 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 45.2410, 0.2940, 0.3005 by changing the saturation by 10% instead.

■ 45.2410, 0.2940,
0.3005

■ 45.2410, 0.2940,
0.3005

367.7487, 0.3034,
0.3147

■ 31.6473, 0.2916,
0.2970

■ 83.0819, 0.2974,
0.3056

■ 21.0922, 0.2886,
0.2925

108.0980, 0.2987,
0.3075

■ 13.1914, 0.2845,
0.2866

137.6902, 0.2998,
0.3092

■ 7.5605, 0.2788,
0.2784

172.2431, 0.3007,
0.3106

■ 3.8150, 0.2703,
0.2663

212.1410, 0.3015,
0.3118

■ 1.5706, 0.2562,
0.2469

257.7683, 0.3022,

■ 0.3377, 0.2137,

0.3129

0.1752

309.5094, 0.3029,
0.3138

0.0000, 0.0000,
0.0000

45.2410, 0.2940,
0.3005

45.2410, 0.2940,
0.3005

36.2420, 0.2764,
0.2733

55.5697, 0.3098,
0.3246

28.5131, 0.2571,
0.2432

67.2730, 0.3238,
0.3457

21.9988, 0.2368,
0.2109

80.4010, 0.3361,
0.3640

16.6372, 0.2161,
0.1776

94.7951, 0.3460,
0.3799

12.3610, 0.1963,
0.1450

96.9506, 0.3454,
0.3830

■ 9.0957, 0.1788,
0.1153

■ 6.7576, 0.1650,
0.0909

■ 5.2492, 0.1557,
0.0735

■ 4.5409, 0.1513,
0.0648

Harmonies

Analogous

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



45.2410, 0.2834, 0.3040



45.2410, 0.2940, 0.3005



45.2410, 0.3098, 0.3043

Triad

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



45.2410, 0.2940, 0.3005



45.2410, 0.3461, 0.3423



45.2410, 0.2983, 0.3445

Complementary

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



45.2410, 0.2940, 0.3005



55.8506, 0.3307, 0.3560

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.



45.2410, 0.3149, 0.3555



45.2410, 0.2940, 0.3005



45.2410, 0.3427, 0.3537

Square

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



45.2410, 0.2940, 0.3005



45.2410, 0.3403, 0.3280



45.2410, 0.3312, 0.3588



45.2410, 0.2858, 0.3291

Rectangle

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



45.2410, 0.2940, 0.3005



45.2410, 0.3214, 0.3104



45.2410, 0.3312, 0.3588



45.2410, 0.3036, 0.3488

Sweetspot

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



45.2429, 0.2940, 0.3005



92.2744, 0.3067, 0.3198



54.6297, 0.2959, 0.3315



19.4489, 0.3055, 0.3181



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.



45.2429, 0.2940, 0.3005



74.6511, 0.2902, 0.2947



45.6931, 0.3022, 0.2987



10.4215, 0.2983, 0.3070



2.9406, 0.1516, 0.0658



0.1875, 0.1571, 0.0854

Inverse Universe

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



46.5723, 0.3324, 0.3267



77.3619, 0.3367, 0.3262



55.4026, 0.3223, 0.3590



10.6505, 0.3277, 0.3272



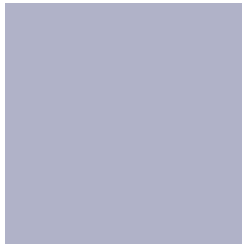
7.8368, 0.6302, 0.3245



0.3759, 0.5984, 0.3070

Previews

White Background



This preview shows how the Yxy color 45.2410, 0.2940, 0.3005 looks on a white background.

Color Contrast Check

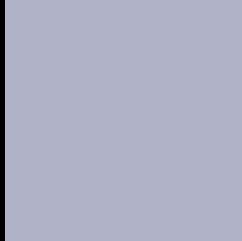
Large Text (above 18pt) WCAG AA × Fail

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 45.2410, 0.2940, 0.3005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

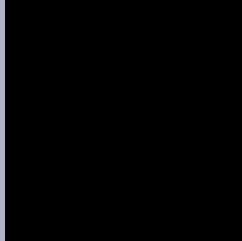
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.2410, 0.2940, 0.3005

Background



This preview shows how black text looks on a background with the Yxy color 45.2410, 0.2940, 0.3005.



This preview shows how white text looks on a background with the Yxy color 45.2410, 0.2940, 0.3005.

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

45.2410, 0.2940, 0.3005

Protanopia

45.2410, 0.2940, 0.3005

Deuteranopia

45.0539, 0.3023, 0.2950



Tritanopia

45.2044, 0.2984, 0.3106

Trichromacy



Original Color

45.2410, 0.2940, 0.3005

Protanomaly

45.2410, 0.2940, 0.3005

Deuteranomaly

44.9443, 0.2989, 0.2959

Tritanomaly

45.3397, 0.2962, 0.3068

Monochromacy



Original Color

45.2410, 0.2940, 0.3005

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.4118, 0.3064, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2410, 0.2940, 0.3005 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(176, 178, 200)` looks like.

```
.text, #text, p{  
    color:rgb(176, 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(176, 178, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 178, 200) }
```

Border

The CSS property to change the border of an element to Yxy 45.2410, 0.2940, 0.3005 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(176, 178, 200) }
```

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

```
.border{ border-color:rgb(176, 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(176, 178, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 178, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 178, 200);  
box-shadow:4px 4px 4px 4px rgb(176, 178,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 45.2410, 0.2940, 0.3005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 178, 200) }
```

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

```
.background{ background-color: rgb(176,  
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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