

Converting Colors

$Yxy(45.4515, 0.2903, 0.2926)$

Have a look what the booklet for
Yxy(45.4515, 0.2903, 0.2926)
contains.

Yxy(45.6441, 0.2903, 0.2932)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.6441, 0.2903, 0.2932)

Conversions

Conversions Part 1

Format	Color
Hex	B1B2CE
RGB	177, 178, 206
RGB Percent	69%, 70%, 81%
CMY	0.3059, 0.3019, 0.1920
CMYK	0.14, 0.14, 0.00, 0.19
HSL	238°, 23%, 75%
HSV	238°, 14%, 81%
XYZ	45.1926, 45.6441, 64.8389
YIQ	180.8930, -9.5840, 8.4960

Conversions

Conversions Part 2

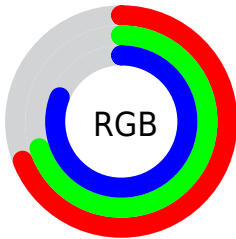
Format	Color
R_{YB}	177, 178, 206
Decimal	11645646
CIE _{Lab}	73.31, 5.28, -14.27
CIE _{LCh}	73, 15.218, 290.297
Yxy	45.6441, 0.2903, 0.2932
Android (android.graphics.Color)	4289835726 (0xFFB1B2CE)
YUV	180.8930, 12.3778, -3.4142
Hunter-Lab	67.5604, 1.1718, -9.6094

Details

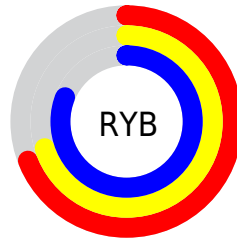
The Yxy color `45.6441, 0.2903, 0.2932` is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be `59.9680, 0.3338, 0.3625`, and the grayscale version is `46.0840, 0.3127, 0.3290`.

A 20% lighter version of the original color is `83.3893, 0.2993, 0.3078`, and `21.2193, 0.2834, 0.2821` is the 20% darker color. If you saturate the color by 10%, you get `36.0601, 0.2721, 0.2639`, and if you desaturate by 10%, it is `56.7437, 0.3066, 0.3193`.

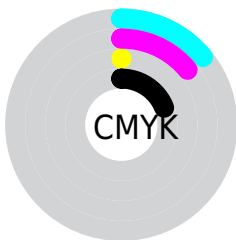
Distribution



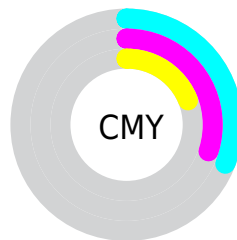
- Red (69%)
- Green (70%)
- Blue (81%)



- Red (69%)
- Yellow (70%)
- Blue (81%)



- Cyan (14%)
- Magenta (14%)
- Yellow (0%)
- Black (19%)



- Cyan (31%)
- Magenta (30%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6441, 0.2903, 0.2932 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 45.6441, 0.2903, 0.2932 by changing the saturation by 10% instead.

■ 45.6441, 0.2903,
0.2932

■ 45.6441, 0.2903,
0.2932

369.3760, 0.3016,
0.3109

■ 31.9651, 0.2875,
0.2889

■ 83.6861, 0.2944,
0.2996

■ 21.3348, 0.2838,
0.2834

108.8179, 0.2959,
0.3020

■ 13.3690, 0.2790,
0.2761

138.5360, 0.2972,
0.3040

■ 7.6831, 0.2723,
0.2661

173.2249, 0.2984,
0.3058

■ 3.8929, 0.2622,
0.2517

213.2689, 0.2993,
0.3073

■ 1.6138, 0.2459,
0.2288

259.0525, 0.3002,

■ 0.3669, 0.2068,

0.3086

0.1588

310.9601, 0.3009,
0.3098

0.0000, 0.0000,
0.0000

45.6441, 0.2903,
0.2932

45.6441, 0.2903,
0.2932

36.0601, 0.2721,
0.2639

56.7437, 0.3066,
0.3193

27.9205, 0.2522,
0.2317

69.4146, 0.3209,
0.3421

21.1570, 0.2312,
0.1975

83.7167, 0.3334,
0.3618

15.6937, 0.2101,
0.1630

97.2377, 0.3418,
0.3770

11.4470, 0.1903,
0.1302

■ 8.3239, 0.1734,
0.1018

■ 6.2177, 0.1608,
0.0801

■ 5.0014, 0.1531,
0.0664

■ 4.6144, 0.1505,
0.0619

Harmonies

Analogous

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



45.6441, 0.2764, 0.2967



45.6441, 0.2903, 0.2932



45.6441, 0.3106, 0.2987

Triad

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



45.6441, 0.2903, 0.2932



45.6441, 0.3553, 0.3468



45.6441, 0.2930, 0.3473

Complementary

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



45.6441, 0.2903, 0.2932



59.9680, 0.3338, 0.3625

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.



45.6441, 0.3137, 0.3621



45.6441, 0.2903, 0.2932



45.6441, 0.3500, 0.3610

Square

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



45.6441, 0.2903, 0.2932



45.6441, 0.3486, 0.3289



45.6441, 0.3346, 0.3670



45.6441, 0.2779, 0.3275

Rectangle

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



45.6441, 0.2903, 0.2932



45.6441, 0.3251, 0.3066



45.6441, 0.3346, 0.3670



45.6441, 0.2995, 0.3531

Sweetspot

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



45.6460, 0.2903, 0.2932



91.9967, 0.3067, 0.3194



57.8898, 0.2924, 0.3307



19.3790, 0.3055, 0.3175



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.



45.6460, 0.2903, 0.2932



68.8389, 0.2848, 0.2844



46.8511, 0.3009, 0.2930



10.9060, 0.2982, 0.3059



2.8701, 0.1507, 0.0625



0.1707, 0.1530, 0.0709

Inverse Universe

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



47.7797, 0.3377, 0.3278



72.9849, 0.3443, 0.3276



58.6629, 0.3233, 0.3648



11.2199, 0.3285, 0.3282



8.0927, 0.6359, 0.3277



0.4198, 0.6218, 0.3199

Previews

White Background



This preview shows how the Yxy color 45.6441, 0.2903, 0.2932 looks on a white background.

Color Contrast Check

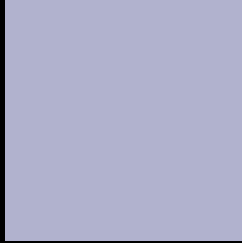
Large Text (above 18pt) WCAG AA × Fail

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 45.6441, 0.2903, 0.2932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

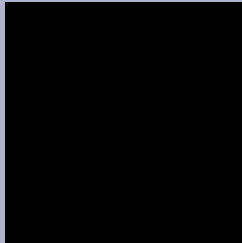
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6441, 0.2903, 0.2932

Background



This preview shows how black text looks on a background with the Yxy color 45.6441, 0.2903, 0.2932.



This preview shows how white text looks on a background with the Yxy color 45.6441, 0.2903, 0.2932.

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

45.6441, 0.2903, 0.2932

Protanopia

45.8104, 0.2888, 0.2944

Deuteranopia

45.4792, 0.2960, 0.2889



Tritanopia

45.6515, 0.2977, 0.3107

Trichromacy



Original Color

45.6441, 0.2903, 0.2932

Protanomaly

45.9265, 0.2896, 0.2945

Deuteranomaly

45.5007, 0.2936, 0.2899

Tritanomaly

45.5475, 0.2955, 0.3044

Monochromacy



Original Color

45.6441, 0.2903, 0.2932

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.0635, 0.3049, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6441, 0.2903, 0.2932 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(177, 178, 206)` looks like.

```
.text, #text, p{  
    color:rgb(177, 178, 206)  
}
```

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(177, 178, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 178, 206) }
```

Border

The CSS property to change the border of an element to Yxy 45.6441, 0.2903, 0.2932 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(177, 178, 206) }
```

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

```
.border{ border-color:rgb(177, 178, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 178, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 178, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 178, 206);  
box-shadow:4px 4px 4px 4px rgb(177, 178,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6441, 0.2903, 0.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 178, 206) }
```

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

```
.background{ background-color: rgb(177,  
178, 206) }
```

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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