

Converting Colors

$Y_{xy}(45.6400, 0.2829, 0.2735)$

Have a look what the booklet for
Yxy(45.6400, 0.2829, 0.2735)
contains.

Yxy(45.5305, 0.2825, 0.2733)	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(45.5305, 0.2825, 0.2733)

Conversions

Conversions Part 1

Format	Color
Hex	B4AFDC
RGB	180, 175, 220
RGB Percent	71%, 69%, 86%
CMY	0.2942, 0.3137, 0.1373
CMYK	0.18, 0.20, 0.00, 0.14
HSL	247°, 39%, 77%
HSV	247°, 20%, 86%
XYZ	47.0632, 45.5305, 74.0016
YIQ	181.6250, -11.4650, 15.0550

Conversions

Conversions Part 2

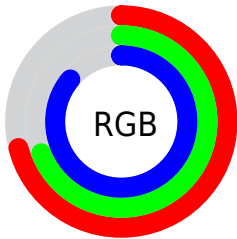
Format	Color
R _Y B	180, 175, 220
Decimal	11841500
CIE Lab	73.24, 10.91, -21.98
CIE LCh	73, 24.539, 296.398
Yxy	45.5305, 0.2825, 0.2733
Android (android.graphics.Color)	4290031580 (0xFFB4AFDC)
YUV	181.6250, 18.9189, -1.4251
Hunter-Lab	67.4763, 6.4162, -17.7903

Details

The Yxy color $45.5305, 0.2825, 0.2733$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $68.7205, 0.3396, 0.3804$, and the grayscale version is $46.4634, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.2047, 0.3012, 0.3049$, and $21.3946, 0.2741, 0.2592$ is the 20% darker color. If you saturate the color by 10%, you get $35.4695, 0.2648, 0.2415$, and if you desaturate by 10%, it is $57.3217, 0.2983, 0.3022$.

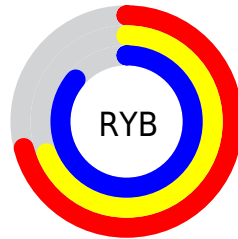
Distribution



Red (71%)

Green (69%)

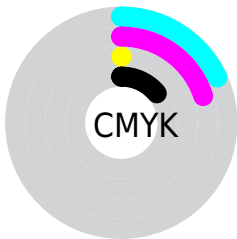
Blue (86%)



Red (71%)

Yellow (69%)

Blue (86%)

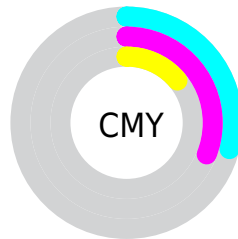


Cyan (18%)

Magenta (20%)

Yellow (0%)

Black (14%)



Cyan (29%)

Magenta (31%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5305, 0.2825, 0.2733 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 45.5305, 0.2825, 0.2733 by changing the saturation by 10% instead.

■ 45.5305, 0.2825,
0.2733

■ 45.5305, 0.2825,
0.2733

368.9179, 0.2977,
0.3004

■ 31.8755, 0.2787,
0.2668

■ 83.5159, 0.2881,
0.2829

■ 21.2664, 0.2738,
0.2586

108.6151, 0.2901,
0.2866

■ 13.3189, 0.2673,
0.2480

138.2978, 0.2919,
0.2897

■ 7.6485, 0.2583,
0.2338

172.9484, 0.2934,
0.2925

■ 3.8709, 0.2450,
0.2137

212.9513, 0.2947,
0.2948

■ 1.6016, 0.2240,
0.1837

258.6910, 0.2958,

■ 0.3587, 0.1869,

0.2969

0.1104

310.5517, 0.2969,
0.2987

0.0000, 0.0000,
0.0000

45.5305, 0.2825,
0.2733

45.5305, 0.2825,
0.2733

35.4695, 0.2648,
0.2415

57.3217, 0.2983,
0.3022

27.0520, 0.2456,
0.2077

70.9134, 0.3122,
0.3279

20.1918, 0.2254,
0.1730

86.3789, 0.3241,
0.3506

14.7929, 0.2054,
0.1396

97.9461, 0.3334,
0.3631

10.7487, 0.1870,
0.1098

■ 7.9377, 0.1715,
0.0862

■ 6.2165, 0.1601,
0.0702

■ 5.3635, 0.1534,
0.0619

Harmonies

Analogous

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



45.5305, 0.2583, 0.2751



45.5305, 0.2825, 0.2733



45.5305, 0.3160, 0.2846

Triad

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



45.5305, 0.2825, 0.2733



45.5305, 0.3815, 0.3617



45.5305, 0.2751, 0.3525

Complementary

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



45.5305, 0.2825, 0.2733



68.7205, 0.3396, 0.3804

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.



45.5305, 0.3066, 0.3799



45.5305, 0.2825, 0.2733



45.5305, 0.3687, 0.3833

Square

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



45.5305, 0.2825, 0.2733



45.5305, 0.3748, 0.3338



45.5305, 0.3409, 0.3910



45.5305, 0.2542, 0.3191

Rectangle

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



45.5305, 0.2825, 0.2733



45.5305, 0.3394, 0.2981



45.5305, 0.3409, 0.3910



45.5305, 0.2847, 0.3629

Sweetspot

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



45.5324, 0.2825, 0.2733



88.1327, 0.3046, 0.3139



63.1284, 0.2820, 0.3235



18.5997, 0.3037, 0.3122



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.



45.5324, 0.2825, 0.2733



56.6345, 0.2743, 0.2585



48.3878, 0.3002, 0.2761



12.6856, 0.2998, 0.3049



3.1723, 0.1541, 0.0622



0.2291, 0.1644, 0.0679

Inverse Universe

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



50.7856, 0.3191, 0.2837



65.4062, 0.3208, 0.2730



65.6080, 0.3230, 0.3831



13.2488, 0.3155, 0.3085



11.2723, 0.3507, 0.1705



0.7375, 0.3452, 0.1675

Previews

White Background



This preview shows how the Yxy color 45.5305, 0.2825, 0.2733 looks on a white background.

Color Contrast Check

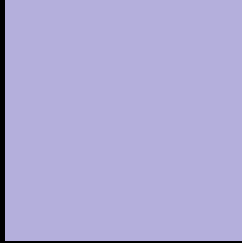
Large Text (above 18pt) WCAG AA × Fail

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 45.5305, 0.2825, 0.2733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

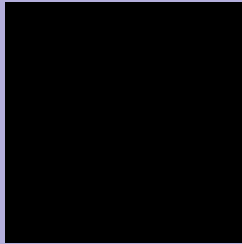
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5305, 0.2825, 0.2733

Background



This preview shows how black text looks on a background with the Yxy color 45.5305, 0.2825, 0.2733.



This preview shows how white text looks on a background with the Yxy color 45.5305, 0.2825, 0.2733.

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

45.5305, 0.2825, 0.2733

Protanopia

45.5497, 0.2730, 0.2735

Deuteranopia

45.5651, 0.2803, 0.2742



Tritanopia

45.6515, 0.2977, 0.3107

Trichromacy



Original Color

45.5305, 0.2825, 0.2733

Protanomaly

45.5490, 0.2766, 0.2738

Deuteranomaly

45.6830, 0.2810, 0.2743

Tritanomaly

45.4997, 0.2925, 0.2969

Monochromacy



Original Color

45.5305, 0.2825, 0.2733

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

46.0495, 0.3011, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5305, 0.2825, 0.2733 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(180, 175, 220)` looks like.

```
.text, #text, p{  
    color:rgb(180, 175, 220)  
}
```

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(180, 175, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 175, 220) }
```

Border

The CSS property to change the border of an element to Yxy 45.5305, 0.2825, 0.2733 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(180, 175, 220) }
```

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

```
.border{ border-color:rgb(180, 175, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 175, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 175, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 175, 220);  
box-shadow:4px 4px 4px 4px rgb(180, 175,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5305, 0.2825, 0.2733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 175, 220) }
```

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

```
.background{ background-color: rgb(180,  
175, 220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor