

Converting Colors

$Yxy(45.1735, 0.2753, 0.2975)$

Have a look what the booklet for
Yxy(45.1735, 0.2753, 0.2975)
contains.

Yxy(45.0802, 0.2753, 0.2971)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.0802, 0.2753, 0.2971)

Conversions

Conversions Part 1

Format	Color
Hex	9DB6CE
RGB	157, 182, 206
RGB Percent	62%, 71%, 81%
CMY	0.3843, 0.2863, 0.1922
CMYK	0.24, 0.12, 0.00, 0.19
HSL	209°, 33%, 71%
HSV	209°, 24%, 81%
XYZ	41.7724, 45.0802, 64.8815
YIQ	177.2610, -22.6040, 2.1640

Conversions

Conversions Part 2

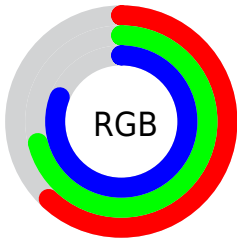
Format	Color
RYB	157, 174, 206
Decimal	10335950
CIELab	72.94, -3.23, -14.95
CIELCh	73, 15.293, 257.794
Yxy	45.0802, 0.2753, 0.2971
Android (android.graphics.Color)	4288526030 (0xFF9DB6CE)
YUV	177.2610, 14.1683, -17.7689
Hunter-Lab	67.1418, -6.4440, -10.2948

Details

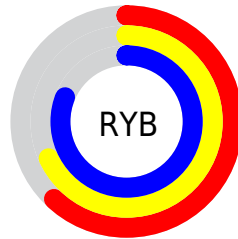
The Yxy color $45.0802, 0.2753, 0.2971$ is a light color, and the websafe version is hex $99CCFF$. A complement of this color would be $48.5974, 0.3549, 0.3589$, and the grayscale version is $44.0449, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.3661, 0.2863, 0.3112$, and $20.9708, 0.2648, 0.2871$ is the 20% darker color. If you saturate the color by 10%, you get $39.1981, 0.2590, 0.2813$, and if you desaturate by 10%, it is $51.6128, 0.2914, 0.3115$.

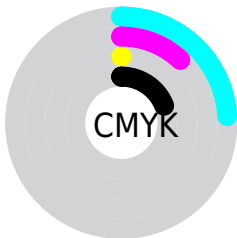
Distribution



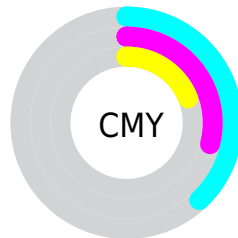
- Red (62%)
- Green (71%)
- Blue (81%)



- Red (62%)
- Yellow (68%)
- Blue (81%)



- Cyan (24%)
- Magenta (12%)
- Yellow (0%)
- Black (19%)



- Cyan (38%)
- Magenta (29%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0802, 0.2753, 0.2971 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 45.0802, 0.2753, 0.2971 by changing the saturation by 10% instead.

■ 45.0802, 0.2753,
0.2971

■ 45.0802, 0.2753,
0.2971

■ 367.0983, 0.2939,
0.3131

■ 31.5206, 0.2707,
0.2931

■ 82.8407, 0.2820,
0.3029

■ 20.9956, 0.2648,
0.2879

■ 107.8105, 0.2846,
0.3051

■ 13.1208, 0.2571,
0.2811

■ 137.3524, 0.2867,
0.3070

■ 7.5118, 0.2464,
0.2715

■ 171.8509, 0.2886,
0.3086

■ 3.7842, 0.2307,
0.2573

■ 211.6903, 0.2902,
0.3099

■ 1.5536, 0.2058,
0.2343

■ 257.2551, 0.2916,

■ 0.3260, 0.1140,

0.3111

0.1609

308.9296, 0.2928,
0.3122

0.0000, 0.0000,
0.0000

45.0802, 0.2753,
0.2971

45.0802, 0.2753,
0.2971

39.1981, 0.2590,
0.2813

51.6128, 0.2914,
0.3115

33.9374, 0.2430,
0.2642

58.8127, 0.3070,
0.3245

29.2742, 0.2276,
0.2461

66.7028, 0.3219,
0.3360

25.1812, 0.2133,
0.2272

75.3033, 0.3361,
0.3463

21.6279, 0.2006,
0.2081

83.6726, 0.3458,
0.3556

■ 18.5799, 0.1901,
0.1891

■ 89.5287, 0.3440,
0.3654

■ 15.9970, 0.1820,
0.1709

■ 95.7163, 0.3422,
0.3748

■ 14.5846, 0.1778,
0.1600

■ 97.2355, 0.3418,
0.3771

Harmonies

Analogous

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



45.0802, 0.2717, 0.3101



45.0802, 0.2753, 0.2971



45.0802, 0.2886, 0.2928

Triad

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



45.0802, 0.2753, 0.2971



45.0802, 0.3479, 0.3273



45.0802, 0.3155, 0.3632

Complementary

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



45.0802, 0.2753, 0.2971



48.5974, 0.3549, 0.3589

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.



45.0802, 0.3364, 0.3672



45.0802, 0.2753, 0.2971



45.0802, 0.3556, 0.3456

Square

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



45.0802, 0.2753, 0.2971



45.0802, 0.3305, 0.3101



45.0802, 0.3512, 0.3603



45.0802, 0.2944, 0.3490

Rectangle

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



45.0802, 0.2753, 0.2971



45.0802, 0.3015, 0.2951



45.0802, 0.3512, 0.3603



45.0802, 0.3228, 0.3658

Sweetspot

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



45.0820, 0.2753, 0.2971



91.3202, 0.3019, 0.3203



54.6271, 0.2939, 0.3626



19.3917, 0.3009, 0.3196



0.0000, 0.0000, 0.0000



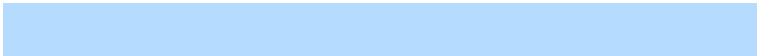
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.0820, 0.2753, 0.2971



67.6041, 0.2662, 0.2885



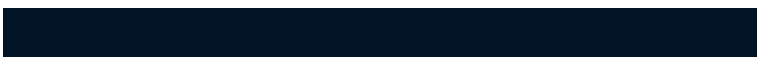
36.0184, 0.2726, 0.2636



11.7748, 0.2983, 0.3174



9.1771, 0.1785, 0.1626



0.6252, 0.1882, 0.1975

Inverse Universe

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



40.6140, 0.3373, 0.2981



59.4316, 0.3447, 0.2905



59.2973, 0.3485, 0.3870



11.3076, 0.3211, 0.3172



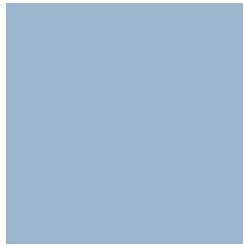
8.7294, 0.4899, 0.2472



0.4657, 0.4481, 0.2242

Previews

White Background



This preview shows how the Yxy color 45.0802, 0.2753, 0.2971 looks on a white background.

Color Contrast Check

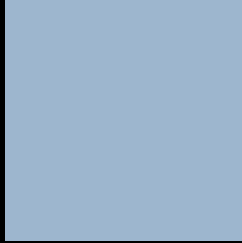
Large Text (above 18pt) WCAG AA × Fail

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 45.0802, 0.2753, 0.2971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

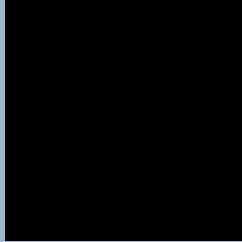
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

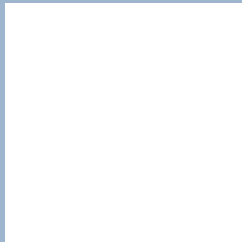
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.0802, 0.2753, 0.2971

Background



This preview shows how black text looks on a background with the Yxy color 45.0802, 0.2753, 0.2971.



This preview shows how white text looks on a background with the Yxy color 45.0802, 0.2753, 0.2971.

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

45.0802, 0.2753, 0.2971

Protanopia

44.8700, 0.2909, 0.2954

Deuteranopia

44.7713, 0.2928, 0.2861



Tritanopia

44.9128, 0.2793, 0.3087

Trichromacy



Original Color

45.0802, 0.2753, 0.2971

Protanomaly

44.9247, 0.2847, 0.2963

Deuteranomaly

44.8335, 0.2864, 0.2904

Tritanomaly

45.1519, 0.2780, 0.3048

Monochromacy



Original Color

45.0802, 0.2753, 0.2971

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.4171, 0.2981, 0.3169

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0802, 0.2753, 0.2971 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(157, 182, 206)` looks like.

```
.text, #text, p{  
    color:rgb(157, 182, 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(157, 182, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 182, 206) }
```

Border

The CSS property to change the border of an element to Yxy 45.0802, 0.2753, 0.2971 is called "border". The border property can be set on classes, ids or directly on the HTML element.

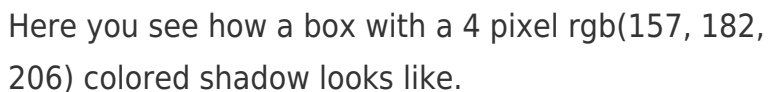
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 182, 206) }
```

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

```
.border{ border-color:rgb(157, 182, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 182, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 182, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 182, 206);  
box-shadow:4px 4px 4px 4px rgb(157, 182,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0802, 0.2753, 0.2971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 182, 206) }
```

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

```
.background{ background-color: rgb(157,  
182, 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](#).

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