

Converting Colors

$Yxy(45.6457, 0.2775, 0.2998)$

Have a look what the booklet for
Yxy(45.6457, 0.2775, 0.2998)
contains.

Yxy(45.6457, 0.2775, 0.2998)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.6457, 0.2775, 0.2998)

Conversions

Conversions Part 1

Format	Color
Hex	9FB7CD
RGB	159, 183, 205
RGB Percent	62%, 72%, 80%
CMY	0.3765, 0.2823, 0.1960
CMYK	0.22, 0.11, 0.00, 0.20
HSL	209°, 32%, 71%
HSV	209°, 22%, 80%
XYZ	42.2504, 45.6457, 64.3577
YIQ	178.3320, -21.3660, 1.7540

Conversions

Conversions Part 2

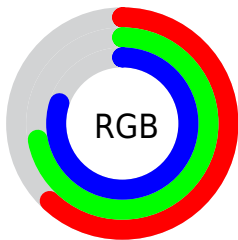
Format	Color
RYB	159, 175, 205
Decimal	10467277
CIELab	73.32, -3.39, -13.85
CIELCh	73, 14.262, 256.269
Yxy	45.6457, 0.2775, 0.2998
Android (android.graphics.Color)	4288657357 (0xFF9FB7CD)
YUV	178.3320, 13.1473, -16.9542
Hunter-Lab	67.5616, -6.6057, -9.1852

Details

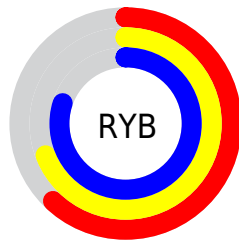
The Yxy color **45.6457, 0.2775, 0.2998** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.5343, 0.3523, 0.3565**, and the grayscale version is **44.6431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2491, 0.2876, 0.3123**, and **21.3254, 0.2678, 0.2909** is the 20% darker color. If you saturate the color by 10%, you get **39.8174, 0.2613, 0.2846**, and if you desaturate by 10%, it is **52.1071, 0.2935, 0.3137**.

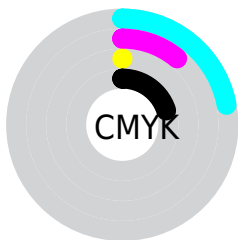
Distribution



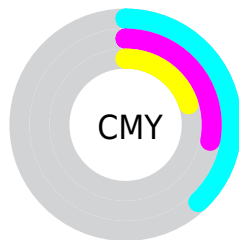
- Red (62%)
- Green (72%)
- Blue (80%)



- Red (62%)
- Yellow (69%)
- Blue (80%)



- Cyan (22%)
- Magenta (11%)
- Yellow (0%)
- Black (20%)



- Cyan (38%)
- Magenta (28%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6457, 0.2775, 0.2998 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 45.6457, 0.2775, 0.2998 by changing the saturation by 10% instead.


 45.6457, 0.2775,
0.2998


 45.6457, 0.2775,
0.2998


369.3824, 0.2950,
0.3145

 31.9663, 0.2732,
0.2961


 83.6885, 0.2838,
0.3051

 21.3358, 0.2677,
0.2914


 108.8207, 0.2862,
0.3071

 13.3697, 0.2604,
0.2851


138.5394, 0.2882,
0.3088

 7.6836, 0.2503,
0.2764

173.2288, 0.2900,
0.3103

 3.8932, 0.2356,
0.2634

213.2734, 0.2915,
0.3115

 1.6140, 0.2122,
0.2422

259.0576, 0.2928,

 0.3670, 0.1292,

0.3126

0.1781

310.9658, 0.2940,
0.3136

0.0000, 0.0000,
0.0000

45.6457, 0.2775,
0.2998

45.6457, 0.2775,
0.2998

39.8174, 0.2613,
0.2846

52.1071, 0.2935,
0.3137

34.5940, 0.2453,
0.2681

59.2176, 0.3090,
0.3261

29.9526, 0.2300,
0.2505

66.9994, 0.3239,
0.3373

25.8670, 0.2157,
0.2322

75.4719, 0.3380,
0.3471

22.3079, 0.2029,
0.2135

83.4007, 0.3465,
0.3562

■ 19.2425, 0.1923,
0.1949

■ 89.0769, 0.3447,
0.3657

■ 16.6325, 0.1839,
0.1770

■ 95.0660, 0.3429,
0.3749

■ 14.9190, 0.1789,
0.1640

■ 97.1891, 0.3424,
0.3780

Harmonies

Analogous

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



45.6457, 0.2746, 0.3123



45.6457, 0.2775, 0.2998



45.6457, 0.2895, 0.2953

Triad

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



45.6457, 0.2775, 0.2998



45.6457, 0.3447, 0.3266



45.6457, 0.3164, 0.3611

Complementary

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



45.6457, 0.2775, 0.2998



48.5343, 0.3523, 0.3565

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.



45.6457, 0.3356, 0.3643



45.6457, 0.2775, 0.2998



45.6457, 0.3524, 0.3437

Square

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



45.6457, 0.2775, 0.2998



45.6457, 0.3283, 0.3107



45.6457, 0.3489, 0.3576



45.6457, 0.2967, 0.3484

Rectangle

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



45.6457, 0.2775, 0.2998



45.6457, 0.3014, 0.2971



45.6457, 0.3489, 0.3576



45.6457, 0.3232, 0.3634

Sweetspot

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



45.6476, 0.2775, 0.2998



91.4441, 0.3019, 0.3205



54.3591, 0.2954, 0.3615



19.4204, 0.3009, 0.3198



0.0000, 0.0000, 0.0000



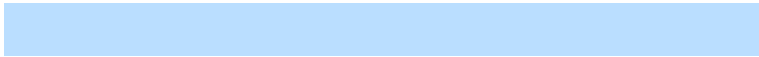
21.4041, 0.3127, 0.3290

Same Dimension

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



45.6476, 0.2775, 0.2998



69.9591, 0.2696, 0.2925



37.0991, 0.2752, 0.2688



11.7963, 0.2983, 0.3176



9.4766, 0.1796, 0.1664



0.6404, 0.1891, 0.2007

Inverse Universe

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



41.1920, 0.3351, 0.2993



61.7189, 0.3413, 0.2925



58.4303, 0.3467, 0.3828



11.3098, 0.3210, 0.3170



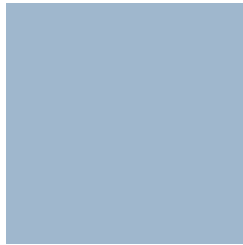
8.7597, 0.4851, 0.2446



0.4672, 0.4445, 0.2222

Previews

White Background



This preview shows how the Yxy color 45.6457, 0.2775, 0.2998 looks on a white background.

Color Contrast Check

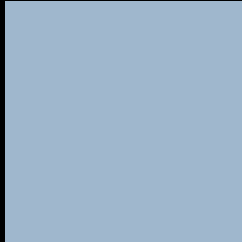
Large Text (above 18pt) WCAG AA × Fail

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 45.6457, 0.2775, 0.2998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

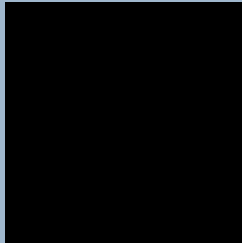
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

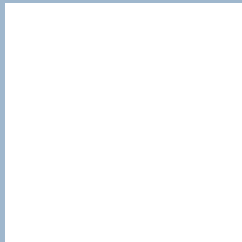
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6457, 0.2775, 0.2998

Background



This preview shows how black text looks on a background with the Yxy color 45.6457, 0.2775, 0.2998.



This preview shows how white text looks on a background with the Yxy color 45.6457, 0.2775, 0.2998.

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

45.6457, 0.2775, 0.2998

Protanopia

45.3352, 0.2925, 0.2981

Deuteranopia

45.3553, 0.2952, 0.2888



Tritanopia

45.6736, 0.2810, 0.3089

Trichromacy



Original Color

45.6457, 0.2775, 0.2998

Protanomaly

45.5004, 0.2871, 0.2990

Deuteranomaly

45.4110, 0.2887, 0.2931

Tritanomaly

45.7671, 0.2796, 0.3063

Monochromacy



Original Color

45.6457, 0.2775, 0.2998

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.9313, 0.2989, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6457, 0.2775, 0.2998 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(159, 183, 205)` looks like.

```
.text, #text, p{  
    color:rgb(159, 183, 205)  
}
```

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(159, 183, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 183, 205) }
```

Border

The CSS property to change the border of an element to Yxy 45.6457, 0.2775, 0.2998 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(159, 183, 205) }
```

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

```
.border{ border-color:rgb(159, 183, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 183, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 183, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 183, 205);  
box-shadow:4px 4px 4px 4px rgb(159, 183,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6457, 0.2775, 0.2998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 183, 205) }
```

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

```
.background{ background-color: rgb(159,  
183, 205) }
```

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