

Converting Colors

$Yxy(45.1007, 0.2776, 0.2863)$

Have a look what the booklet for
Yxy(45.1007, 0.2776, 0.2863)
contains.

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Color

Yxy(45.1007, 0.2776, 0.2863)

Conversions

Conversions Part 1

Format	Color
Hex	A6B3D4
RGB	166, 179, 212
RGB Percent	65%, 70%, 83%
CMY	0.3490, 0.2980, 0.1686
CMYK	0.22, 0.16, 0.00, 0.17
HSL	223°, 35%, 74%
HSV	223°, 22%, 83%
XYZ	43.7302, 45.1007, 68.6986
YIQ	178.8750, -18.3410, 7.5070

Conversions

Conversions Part 2

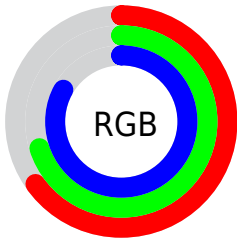
Format	Color
RYB	166, 176, 212
Decimal	10925012
CIELab	72.96, 2.56, -18.16
CIELCh	73, 18.341, 278.014
Yxy	45.1007, 0.2776, 0.2863
Android (android.graphics.Color)	4289115092 (0xFFA6B3D4)
YUV	178.8750, 16.3306, -11.2914
Hunter-Lab	67.1571, -1.2922, -13.6410

Details

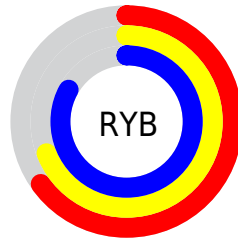
The Yxy color $45.1007, 0.2776, 0.2863$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $57.6035, 0.3483, 0.3683$, and the grayscale version is $44.9289, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.1663, 0.2923, 0.3084$, and $20.8667, 0.2676, 0.2743$ is the 20% darker color. If you saturate the color by 10%, you get $37.2329, 0.2597, 0.2630$, and if you desaturate by 10%, it is $54.0223, 0.2945, 0.3073$.

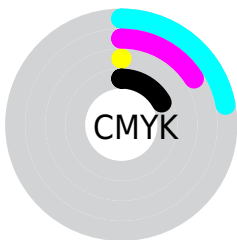
Distribution



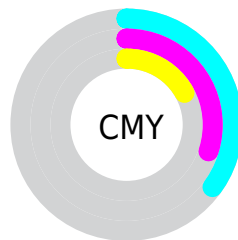
- Red (65%)
- Green (70%)
- Blue (83%)



- Red (65%)
- Yellow (69%)
- Blue (83%)



- Cyan (22%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)



- Cyan (35%)
- Magenta (30%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.1007, 0.2776, 0.2863 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 45.1007, 0.2776, 0.2863 by changing the saturation by 10% instead.

■ 45.1007, 0.2776,
0.2863

■ 45.1007, 0.2776,
0.2863

■ 367.1812, 0.2951,
0.3074

■ 31.5368, 0.2733,
0.2811

■ 82.8715, 0.2840,
0.2939

■ 21.0079, 0.2677,
0.2745

■ 107.8471, 0.2863,
0.2968

■ 13.1298, 0.2603,
0.2658

■ 137.3955, 0.2884,
0.2993

■ 7.5180, 0.2502,
0.2539

■ 171.9009, 0.2901,
0.3014

■ 3.7881, 0.2353,
0.2366

■ 211.7478, 0.2916,
0.3032

■ 1.5557, 0.2117,
0.2096

■ 257.3205, 0.2929,

■ 0.3275, 0.1500,

0.3048

0.1315

309.0036, 0.2941,
0.3062

0.0000, 0.0000,
0.0000

45.1007, 0.2776,
0.2863

45.1007, 0.2776,
0.2863

37.2329, 0.2597,
0.2630

54.0223, 0.2945,
0.3073

30.3732, 0.2413,
0.2378

64.0302, 0.3102,
0.3260

24.4805, 0.2229,
0.2111

75.1621, 0.3245,
0.3425

19.5085, 0.2052,
0.1837

87.4524, 0.3376,
0.3570

15.4070, 0.1892,
0.1567

97.5343, 0.3381,
0.3711

■ 12.1201, 0.1757,
0.1316

■ 9.5840, 0.1656,
0.1096

■ 7.9786, 0.1595,
0.0943

Harmonies

Analogous

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



45.1007, 0.2653, 0.2947



45.1007, 0.2776, 0.2863



45.1007, 0.2994, 0.2887

Triad

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



45.1007, 0.2776, 0.2863



45.1007, 0.3628, 0.3416



45.1007, 0.2985, 0.3599

Complementary

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



45.1007, 0.2776, 0.2863



57.6035, 0.3483, 0.3683

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.



45.1007, 0.3245, 0.3734



45.1007, 0.2776, 0.2863



45.1007, 0.3622, 0.3613

Square

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



45.1007, 0.2776, 0.2863



45.1007, 0.3492, 0.3198



45.1007, 0.3479, 0.3735



45.1007, 0.2771, 0.3372

Rectangle

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



45.1007, 0.2776, 0.2863



45.1007, 0.3168, 0.2959



45.1007, 0.3479, 0.3735



45.1007, 0.3070, 0.3657

Sweetspot

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



45.1025, 0.2776, 0.2863



88.8710, 0.3019, 0.3163



59.3246, 0.2887, 0.3454



18.8251, 0.3009, 0.3151



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.



45.1025, 0.2776, 0.2863



62.8398, 0.2695, 0.2759



41.2512, 0.2844, 0.2702



12.5746, 0.2982, 0.3118



5.0725, 0.1602, 0.0967



0.4461, 0.1698, 0.1313

Inverse Universe

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



44.5251, 0.3443, 0.3133



62.0528, 0.3529, 0.3098



62.4116, 0.3373, 0.3842



12.4779, 0.3247, 0.3224



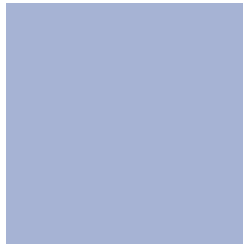
8.8569, 0.5809, 0.2974



0.5484, 0.5309, 0.2698

Previews

White Background



This preview shows how the Yxy color 45.1007, 0.2776, 0.2863 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 45.1007, 0.2776, 0.2863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

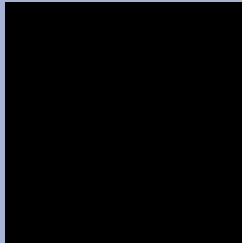
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

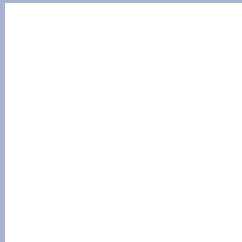
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1007, 0.2776, 0.2863

Background



This preview shows how black text looks on a background with the Yxy color 45.1007, 0.2776, 0.2863.



This preview shows how white text looks on a background with the Yxy color 45.1007, 0.2776, 0.2863.

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

45.1007, 0.2776, 0.2863

Protanopia

44.9181, 0.2827, 0.2854

Deuteranopia

45.1673, 0.2875, 0.2813



Tritanopia

45.2279, 0.2867, 0.3103

Trichromacy



Original Color

45.1007, 0.2776, 0.2863

Protanomaly

45.0900, 0.2813, 0.2866

Deuteranomaly

44.9687, 0.2836, 0.2821

Tritanomaly

45.2045, 0.2832, 0.3012

Monochromacy



Original Color

45.1007, 0.2776, 0.2863

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.0005, 0.2991, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1007, 0.2776, 0.2863 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(166, 179, 212)` looks like.

```
.text, #text, p{  
    color:rgb(166, 179, 212)  
}
```

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(166, 179, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 179, 212) }
```

Border

The CSS property to change the border of an element to Yxy 45.1007, 0.2776, 0.2863 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(166, 179, 212) }
```

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

```
.border{ border-color:rgb(166, 179, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 179, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 179, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 179, 212);  
box-shadow:4px 4px 4px 4px rgb(166, 179,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1007, 0.2776, 0.2863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 179, 212) }
```

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

```
.background{ background-color: rgb(166,  
179, 212) }
```

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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