

Converting Colors

$Y_{xy}(40.4548, 0.2684, 0.2815)$

Have a look what the booklet for
Yxy(40.4548, 0.2684, 0.2815)
contains.

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Color

Yxy(40.4941, 0.2682, 0.2814)

Conversions

Conversions Part 1

Format	Color
Hex	96ACCF
RGB	150, 172, 207
RGB Percent	59%, 67%, 81%
CMY	0.4117, 0.3255, 0.1882
CMYK	0.28, 0.17, 0.00, 0.19
HSL	217°, 37%, 70%
HSV	217°, 28%, 81%
XYZ	38.5946, 40.4941, 64.8136
YIQ	169.4120, -24.3470, 6.2210

Conversions

Conversions Part 2

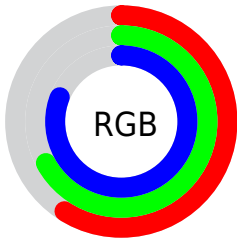
Format	Color
RYB	150, 166, 207
Decimal	9874639
CIELab	69.82, 0.34, -20.28
CIElCh	70, 20.278, 270.960
Yxy	40.4941, 0.2682, 0.2814
Android (android.graphics.Color)	4288064719 (0xFF96ACCF)
YUV	169.4120, 18.5309, -17.0243
Hunter-Lab	63.6350, -3.1010, -15.8437

Details

The Yxy color **40.4941, 0.2682, 0.2814** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.1734, 0.3606, 0.3723**, and the grayscale version is **39.8084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1373, 0.2814, 0.2991**, and **18.3295, 0.2552, 0.2673** is the 20% darker color. If you saturate the color by 10%, you get **34.0916, 0.2509, 0.2607**, and if you desaturate by 10%, it is **47.7098, 0.2851, 0.3003**.

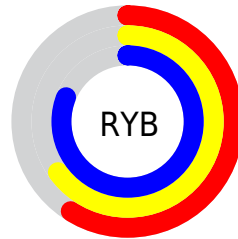
Distribution



Red (59%)

Green (67%)

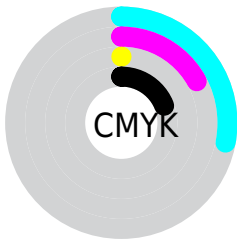
Blue (81%)



Red (59%)

Yellow (65%)

Blue (81%)

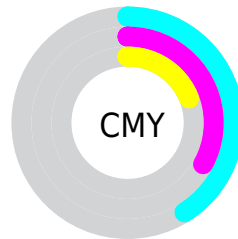


Cyan (28%)

Magenta (17%)

Yellow (0%)

Black (19%)



Cyan (41%)

Magenta (33%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.4941, 0.2682, 0.2814 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 40.4941, 0.2682, 0.2814 by changing the saturation by 10% instead.

■ 40.4941, 0.2682,
0.2814

■ 40.4941, 0.2682,
0.2814

348.2018, 0.2907,
0.3054

■ 27.9240, 0.2625,
0.2754

■ 75.9153, 0.2764,
0.2902

■ 18.2684, 0.2553,
0.2676

■ 99.5352, 0.2795,
0.2935

■ 11.1428, 0.2456,
0.2573

127.6072, 0.2821,
0.2962

■ 6.1630, 0.2321,
0.2429

160.5156, 0.2843,
0.2986

■ 2.9444, 0.2122,
0.2218

198.6449, 0.2862,
0.3007

■ 1.1028, 0.1804,
0.1881

242.3794, 0.2879,

■ 0.0000, 0.0000,

0.3024

0.0000

292.1036, 0.2894,
0.3040

■ 40.4941, 0.2682,
0.2814

■ 40.4941, 0.2682,
0.2814

■ 34.0916, 0.2509,
0.2607

■ 47.7098, 0.2851,
0.3003

■ 28.4663, 0.2336,
0.2384

■ 55.7631, 0.3012,
0.3174

■ 23.5863, 0.2168,
0.2150

■ 64.6834, 0.3164,
0.3326

■ 19.4154, 0.2013,
0.1912

■ 74.4972, 0.3305,
0.3460

■ 15.9136, 0.1878,
0.1677

■ 85.2297, 0.3435,
0.3578

■ 13.0358, 0.1768,
0.1455

■ 93.0762, 0.3423,
0.3698

■ 10.7245, 0.1687,
0.1255

■ 97.2851, 0.3412,
0.3760

■ 10.2215, 0.1669,
0.1208

Harmonies

Analogous

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



40.4941, 0.2574, 0.2936



40.4941, 0.2682, 0.2814



40.4941, 0.2908, 0.2815

Triad

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



40.4941, 0.2682, 0.2814



40.4941, 0.3679, 0.3372



40.4941, 0.3031, 0.3696

Complementary

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



40.4941, 0.2682, 0.2814



50.1734, 0.3606, 0.3723

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.



40.4941, 0.3329, 0.3816



40.4941, 0.2682, 0.2814



40.4941, 0.3711, 0.3609

Square

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



40.4941, 0.2682, 0.2814



40.4941, 0.3489, 0.3128



40.4941, 0.3580, 0.3777



40.4941, 0.2769, 0.3450

Rectangle

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



40.4941, 0.2682, 0.2814



40.4941, 0.3101, 0.2879



40.4941, 0.3580, 0.3777



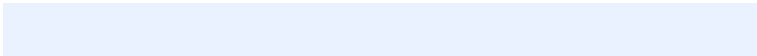
40.4941, 0.3130, 0.3753

Sweetspot

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



40.4957, 0.2682, 0.2814



88.5985, 0.3003, 0.3165



54.5812, 0.2869, 0.3594



18.5267, 0.2979, 0.3140



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.



40.4957, 0.2682, 0.2814



58.7212, 0.2581, 0.2694



33.3625, 0.2698, 0.2513



12.1548, 0.2982, 0.3143



6.6106, 0.1676, 0.1234



0.5216, 0.1779, 0.1605

Inverse Universe

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



38.0621, 0.3493, 0.3016



54.6559, 0.3600, 0.2955



59.2883, 0.3493, 0.3983



11.8827, 0.3231, 0.3201



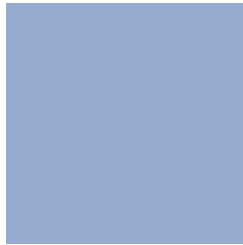
8.7386, 0.5419, 0.2759



0.5040, 0.4924, 0.2486

Previews

White Background



This preview shows how the Yxy color 40.4941, 0.2682, 0.2814 looks on a white background.

Color Contrast Check

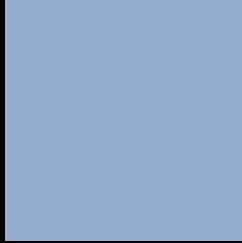
Large Text (above 18pt) WCAG AA × Fail

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 40.4941, 0.2682, 0.2814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

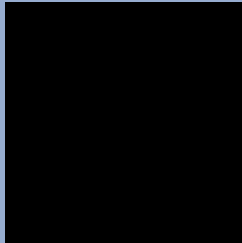
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

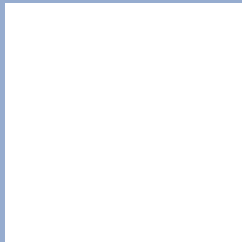
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.4941, 0.2682, 0.2814

Background



This preview shows how black text looks on a background with the Yxy color 40.4941, 0.2682, 0.2814.



This preview shows how white text looks on a background with the Yxy color 40.4941, 0.2682, 0.2814.

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

40.4941, 0.2682, 0.2814

Protanopia

40.5702, 0.2793, 0.2811

Deuteranopia

40.5163, 0.2810, 0.2753



Tritanopia

40.4451, 0.2780, 0.3091

Trichromacy



Original Color

40.4941, 0.2682, 0.2814

Protanomaly

40.4748, 0.2747, 0.2807

Deuteranomaly

40.5071, 0.2755, 0.2772

Tritanomaly

40.4607, 0.2737, 0.2982

Monochromacy



Original Color

40.4941, 0.2682, 0.2814

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.8497, 0.2951, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4941, 0.2682, 0.2814 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(150, 172, 207)` looks like.

```
.text, #text, p{  
    color:rgb(150, 172, 207)  
}
```

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(150, 172, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 172, 207) }
```

Border

The CSS property to change the border of an element to Yxy 40.4941, 0.2682, 0.2814 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(150, 172, 207) }
```

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

```
.border{ border-color:rgb(150, 172, 207) }
```

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

Here you see how a box with a 4 pixel rgb(150, 172, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 172, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 172, 207);  
box-shadow:4px 4px 4px 4px rgb(150, 172,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4941, 0.2682, 0.2814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 172, 207) }
```

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

```
.background{ background-color: rgb(150,  
172, 207) }
```

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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