

Converting Colors

$Y_{xy}(40.4258, 0.2499, 0.2507)$

Have a look what the booklet for
Yxy(40.4258, 0.2499, 0.2507)
contains.

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Color

Yxy(40.4824, 0.2500, 0.2509)

Conversions

Conversions Part 1

Format	Color
Hex	91AAE6
RGB	145, 170, 230
RGB Percent	57%, 67%, 90%
CMY	0.4312, 0.3333, 0.0982
CMYK	0.37, 0.26, 0.00, 0.10
HSL	222°, 63%, 74%
HSV	222°, 37%, 90%
XYZ	40.3372, 40.4824, 80.5292
YIQ	169.3650, -34.1600, 13.3600

Conversions

Conversions Part 2

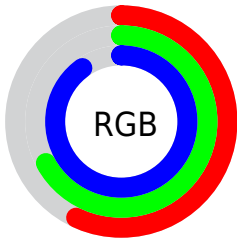
Format	Color
RYB	145, 164, 230
Decimal	9546470
CIELab	69.81, 5.87, -32.92
CIElCh	70, 33.435, 280.105
Yxy	40.4824, 0.2500, 0.2509
Android (android.graphics.Color)	4287736550 (0xFF91AAE6)
YUV	169.3650, 29.8931, -21.3681
Hunter-Lab	63.6258, 1.8195, -30.5034

Details

The Yxy color **40.4824, 0.2500, 0.2509** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **62.5375, 0.3774, 0.3962**, and the grayscale version is **39.7325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4879, 0.2788, 0.2967**, and **18.2370, 0.2326, 0.2301** is the 20% darker color. If you saturate the color by 10%, you get **32.8835, 0.2315, 0.2250**, and if you desaturate by 10%, it is **49.2595, 0.2682, 0.2750**.

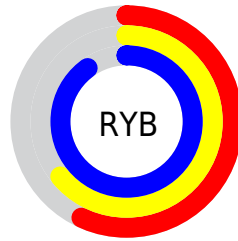
Distribution



Red (57%)

Green (67%)

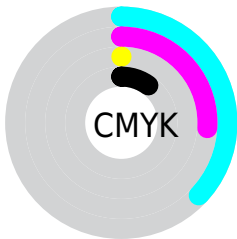
Blue (90%)



Red (57%)

Yellow (64%)

Blue (90%)

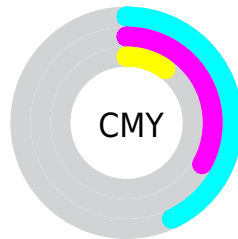


Cyan (37%)

Magenta (26%)

Yellow (0%)

Black (10%)



Cyan (43%)


Magenta (33%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4824, 0.2500, 0.2509 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 40.4824, 0.2500, 0.2509 by changing the saturation by 10% instead.


 40.4824, 0.2500,
0.2509


 40.4824, 0.2500,
0.2509


348.1526, 0.2814,
0.2893

 27.9149, 0.2423,
0.2416


 75.8975, 0.2614,
0.2647

 18.2615, 0.2324,
0.2300


 99.5139, 0.2657,
0.2699

 11.1379, 0.2195,
0.2149


127.5821, 0.2693,
0.2743

 6.1597, 0.2021,
0.1948

160.4863, 0.2724,
0.2782

 2.9424, 0.1776,
0.1670

198.6111, 0.2751,
0.2815

 1.1017, 0.1414,
0.1275

242.3408, 0.2775,

 0.0000, 0.0399,

0.2844

0.0000

292.0599, 0.2796,
0.2870

0.0000, 0.0000,
0.0000

40.4824, 0.2500,
0.2509

40.4824, 0.2500,
0.2509

32.8835, 0.2315,
0.2250

49.2595, 0.2682,
0.2750

26.4053, 0.2134,
0.1981

59.2596, 0.2857,
0.2970

20.9918, 0.1966,
0.1710

70.5306, 0.3021,
0.3167

16.5799, 0.1820,
0.1450

83.1167, 0.3172,
0.3341

13.0987, 0.1703,
0.1214

96.0922, 0.3278,
0.3497

■ 10.4634, 0.1621,
0.1014

■ 98.4916, 0.3274,
0.3533

■ 9.7930, 0.1600,
0.0960

Harmonies

Analogous

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



40.4824, 0.2274, 0.2627



40.4824, 0.2500, 0.2509



40.4824, 0.2901, 0.2575

Triad

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



40.4824, 0.2500, 0.2509



40.4824, 0.4089, 0.3520



40.4824, 0.2817, 0.3869

Complementary

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



40.4824, 0.2500, 0.2509



62.5375, 0.3774, 0.3962

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.



40.4824, 0.3294, 0.4149



40.4824, 0.2500, 0.2509



40.4824, 0.4046, 0.3887

Square

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



40.4824, 0.2500, 0.2509



40.4824, 0.3846, 0.3133



40.4824, 0.3747, 0.4136



40.4824, 0.2443, 0.3399

Rectangle

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



40.4824, 0.2500, 0.2509



40.4824, 0.3229, 0.2709



40.4824, 0.3747, 0.4136



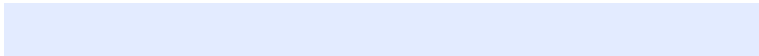
40.4824, 0.2970, 0.3992

Sweetspot

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



40.4839, 0.2500, 0.2509



83.0686, 0.2955, 0.3088



66.9853, 0.2744, 0.3609



17.3635, 0.2932, 0.3061



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.



40.4839, 0.2500, 0.2509



43.9994, 0.2365, 0.2321



33.6618, 0.2583, 0.2211



14.5737, 0.2981, 0.3119



5.7299, 0.1608, 0.0987



0.5802, 0.1688, 0.1275

Inverse Universe

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



39.9859, 0.3757, 0.3004



43.9701, 0.3945, 0.2948



72.7678, 0.3553, 0.4249



14.4373, 0.3246, 0.3221



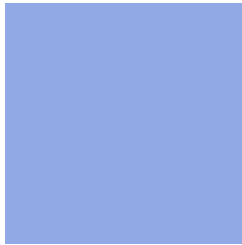
9.7762, 0.5778, 0.2957



0.7382, 0.5362, 0.2727

Previews

White Background



This preview shows how the Yxy color 40.4824, 0.2500, 0.2509 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 40.4824, 0.2500, 0.2509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

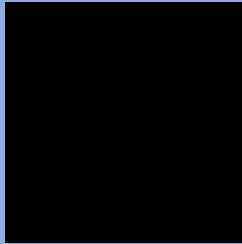
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4824, 0.2500, 0.2509

Background



This preview shows how black text looks on a background with the Yxy color 40.4824, 0.2500, 0.2509.



This preview shows how white text looks on a background with the Yxy color 40.4824, 0.2500, 0.2509.

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

40.4824, 0.2500, 0.2509

Protanopia

40.3790, 0.2563, 0.2515

Deuteranopia

40.4907, 0.2551, 0.2493



Tritanopia

40.4401, 0.2694, 0.3088

Trichromacy



Original Color

40.4824, 0.2500, 0.2509

Protanomaly

40.5171, 0.2537, 0.2513

Deuteranomaly

40.5731, 0.2531, 0.2502

Tritanomaly

40.1688, 0.2619, 0.2858

Monochromacy



Original Color

40.4824, 0.2500, 0.2509

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.6111, 0.2872, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4824, 0.2500, 0.2509 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(145, 170, 230)` looks like.

```
.text, #text, p{  
    color:rgb(145, 170, 230)  
}
```

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(145, 170, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 170, 230) }
```

Border

The CSS property to change the border of an element to Yxy 40.4824, 0.2500, 0.2509 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(145, 170, 230) }
```

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

```
.border{ border-color:rgb(145, 170, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 170, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 170, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 170, 230);  
box-shadow:4px 4px 4px 4px rgb(145, 170,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4824, 0.2500, 0.2509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 170, 230) }
```

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

```
.background{ background-color: rgb(145,  
170, 230) }
```

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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