

Converting Colors

$Y_{xy}(42.7859, 0.2494, 0.2420)$

Have a look what the booklet for
Yxy(42.7859, 0.2494, 0.2420)
contains.

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Color

Yxy(42.7859, 0.2494, 0.2420)

Conversions

Conversions Part 1

Format	Color
Hex	9AACF2
RGB	154, 172, 242
RGB Percent	60%, 67%, 95%
CMY	0.3963, 0.3254, 0.0511
CMYK	0.36, 0.29, 0.00, 0.05
HSL	228°, 77%, 78%
HSV	228°, 36%, 95%
XYZ	44.0942, 42.7859, 89.9211
YIQ	174.5980, -33.1980, 17.9540

Conversions

Conversions Part 2

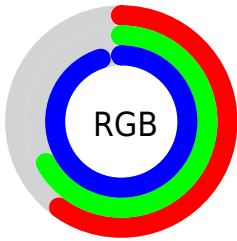
Format	Color
RYB	154, 169, 242
Decimal	10136818
CIELab	71.41, 10.30, -36.94
CIELCh	71, 38.346, 285.583
Yxy	42.7859, 0.2494, 0.2420
Android (android.graphics.Color)	4288326898 (0xFF9AACF2)
YUV	174.5980, 33.2292, -18.0644
Hunter-Lab	65.4109, 5.8597, -35.7189

Details

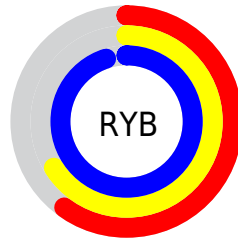
The Yxy color **42.7859, 0.2494, 0.2420** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **74.4595, 0.3737, 0.4029**, and the grayscale version is **42.4854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0071, 0.2851, 0.2994**, and **19.6308, 0.2315, 0.2193** is the 20% darker color. If you saturate the color by 10%, you get **33.8506, 0.2299, 0.2129**, and if you desaturate by 10%, it is **53.2619, 0.2684, 0.2692**.

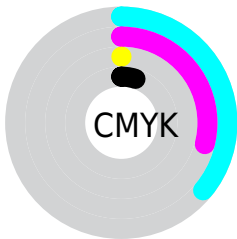
Distribution



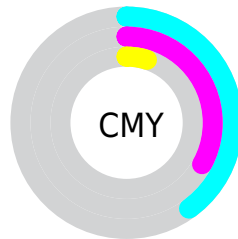
- Red (60%)
- Green (67%)
- Blue (95%)



- Red (60%)
- Yellow (66%)
- Blue (95%)



- Cyan (36%)
- Magenta (29%)
- Yellow (0%)
- Black (5%)



- Cyan (40%)
- Magenta (33%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7859, 0.2494, 0.2420 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 42.7859, 0.2494, 0.2420 by changing the saturation by 10% instead.

■ 42.7859, 0.2494,
0.2420

■ 42.7859, 0.2494,
0.2420

■ 357.7305, 0.2809,
0.2839

■ 29.7172, 0.2417,
0.2322

■ 79.3877, 0.2607,
0.2568

■ 19.6240, 0.2321,
0.2199

■ 103.6895, 0.2650,
0.2625

■ 12.1220, 0.2195,
0.2044

■ 132.5045, 0.2687,
0.2673

■ 6.8268, 0.2027,
0.1840

■ 166.2170, 0.2718,
0.2716

■ 3.3540, 0.1794,
0.1567

■ 205.2115, 0.2745,
0.2752

■ 1.3192, 0.1458,
0.1194

■ 249.8723, 0.2769,

■ 0.1560, 0.0861,

0.2785

0.0336

300.5839, 0.2790,
0.2813

0.0000, 0.0000,
0.0000

42.7859, 0.2494,
0.2420

42.7859, 0.2494,
0.2420

33.8506, 0.2299,
0.2129

53.2619, 0.2684,
0.2692

26.3769, 0.2106,
0.1829

65.3427, 0.2864,
0.2940

20.2858, 0.1927,
0.1533

79.0947, 0.3029,
0.3162

15.4885, 0.1772,
0.1258

94.5791, 0.3180,
0.3358

11.8851, 0.1652,
0.1021

99.1895, 0.3203,
0.3415

■ 9.3585, 0.1572,
0.0837

■ 8.6654, 0.1551,
0.0784

Harmonies

Analogous

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



42.7859, 0.2206, 0.2507



42.7859, 0.2494, 0.2420



42.7859, 0.2968, 0.2529

Triad

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



42.7859, 0.2494, 0.2420



42.7859, 0.4226, 0.3617



42.7859, 0.2687, 0.3860

Complementary

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



42.7859, 0.2494, 0.2420



74.4595, 0.3737, 0.4029

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.



42.7859, 0.3208, 0.4233



42.7859, 0.2494, 0.2420



42.7859, 0.4114, 0.4015

Square

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



42.7859, 0.2494, 0.2420



42.7859, 0.4009, 0.3186



42.7859, 0.3733, 0.4268



42.7859, 0.2305, 0.3306

Rectangle

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



42.7859, 0.2494, 0.2420



42.7859, 0.3342, 0.2696



42.7859, 0.3733, 0.4268



42.7859, 0.2851, 0.4016

Sweetspot

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



42.7875, 0.2494, 0.2420



81.6574, 0.2954, 0.3062



75.6780, 0.2711, 0.3515



17.0291, 0.2932, 0.3032



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.



42.7875, 0.2494, 0.2420



40.2583, 0.2343, 0.2196



39.0708, 0.2647, 0.2242



15.7546, 0.2980, 0.3097



4.8118, 0.1557, 0.0806



0.5380, 0.1621, 0.1036

Inverse Universe

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



44.9443, 0.3826, 0.3092



43.5925, 0.4053, 0.3051



80.5795, 0.3495, 0.4255



15.8119, 0.3261, 0.3242



10.2791, 0.6059, 0.3112



0.8690, 0.5705, 0.2916

Previews

White Background



This preview shows how the Yxy color 42.7859, 0.2494, 0.2420 looks on a white background.

Color Contrast Check

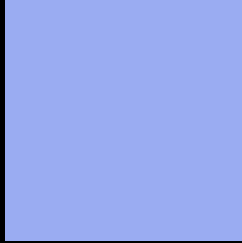
Large Text (above 18pt) WCAG AA × Fail

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 42.7859, 0.2494, 0.2420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

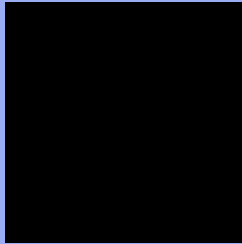
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7859, 0.2494, 0.2420

Background



This preview shows how black text looks on a background with the Yxy color 42.7859, 0.2494, 0.2420.



This preview shows how white text looks on a background with the Yxy color 42.7859, 0.2494, 0.2420.

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

42.7859, 0.2494, 0.2420

Protanopia

42.6882, 0.2488, 0.2418

Deuteranopia

42.5913, 0.2481, 0.2417



Tritanopia

42.8275, 0.2723, 0.3094

Trichromacy



Original Color

42.7859, 0.2494, 0.2420

Protanomaly

42.6882, 0.2488, 0.2418

Deuteranomaly

42.6882, 0.2488, 0.2418

Tritanomaly

42.7973, 0.2637, 0.2833

Monochromacy



Original Color

42.7859, 0.2494, 0.2420

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

42.6111, 0.2872, 0.2958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7859, 0.2494, 0.2420 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(154, 172, 242)` looks like.

```
.text, #text, p{  
    color:rgb(154, 172, 242)  
}
```

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(154, 172, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 172, 242) }
```

Border

The CSS property to change the border of an element to Yxy 42.7859, 0.2494, 0.2420 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(154, 172, 242) }
```

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

```
.border{ border-color:rgb(154, 172, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 172, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 172, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 172, 242);  
box-shadow:4px 4px 4px 4px rgb(154, 172,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7859, 0.2494, 0.2420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 172, 242) }
```

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

```
.background{ background-color: rgb(154,  
172, 242) }
```

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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