

Converting Colors

$Y_{xy}(39.6507, 0.2459, 0.2372)$

Have a look what the booklet for
Yxy(39.6507, 0.2459, 0.2372)
contains.

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Color

Yxy(39.6485, 0.2459, 0.2372)

Conversions

Conversions Part 1

Format	Color
Hex	93A6EE
RGB	147, 166, 238
RGB Percent	58%, 65%, 93%
CMY	0.4236, 0.3490, 0.0665
CMYK	0.38, 0.30, 0.00, 0.07
HSL	227°, 73%, 75%
HSV	227°, 38%, 93%
XYZ	41.1027, 39.6485, 86.4010
YIQ	168.5270, -34.4360, 18.3640

Conversions

Conversions Part 2

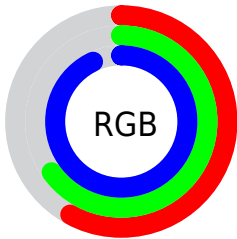
Format	Color
RYB	147, 163, 238
Decimal	9676526
CIELab	69.22, 10.79, -38.23
CIElCh	69, 39.725, 285.754
Yxy	39.6485, 0.2459, 0.2372
Android (android.graphics.Color)	4287866606 (0xFF93A6EE)
YUV	168.5270, 34.2502, -18.8792
Hunter-Lab	62.9671, 6.3263, -37.2785

Details

The Yxy color **39.6485, 0.2459, 0.2372** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **70.9605, 0.3772, 0.4063**, and the grayscale version is **39.2712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6294, 0.2798, 0.2924**, and **17.6873, 0.2268, 0.2125** is the 20% darker color. If you saturate the color by 10%, you get **31.3200, 0.2264, 0.2080**, and if you desaturate by 10%, it is **49.4376, 0.2650, 0.2647**.

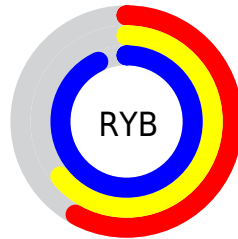
Distribution



Red (58%)

Green (65%)

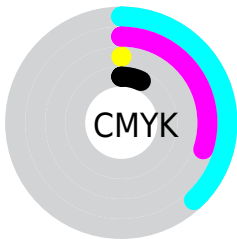
Blue (93%)



Red (58%)

Yellow (64%)

Blue (93%)

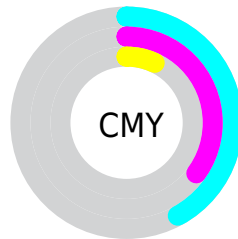


Cyan (38%)

Magenta (30%)

Yellow (0%)

Black (7%)



Cyan (42%)

Magenta (35%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6485, 0.2459, 0.2372 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 39.6485, 0.2459, 0.2372 by changing the saturation by 10% instead.

■ 39.6485, 0.2459,
0.2372

■ 39.6485, 0.2459,
0.2372

344.6398, 0.2795,
0.2818

■ 27.2646, 0.2376,
0.2266

■ 74.6280, 0.2580,
0.2530

■ 17.7720, 0.2272,
0.2135

■ 97.9923, 0.2626,
0.2591

■ 10.7864, 0.2136,
0.1967

125.7856, 0.2665,
0.2642

■ 5.9234, 0.1952,
0.1748

158.3922, 0.2699,
0.2687

■ 2.7986, 0.1697,
0.1453

196.1965, 0.2727,
0.2726

■ 1.0275, 0.1330,
0.1054

239.5830, 0.2753,

■ 0.0000, 0.0473,

0.2761

0.0000

288.9359, 0.2775,
0.2791

0.0000, 0.0000,
0.0000

39.6485, 0.2459,
0.2372

39.6485, 0.2459,
0.2372

31.3200, 0.2264,
0.2080

49.4376, 0.2650,
0.2647

24.3761, 0.2074,
0.1781

60.7496, 0.2831,
0.2898

18.7402, 0.1899,
0.1488

73.6482, 0.3000,
0.3124

14.3261, 0.1750,
0.1219

88.1925, 0.3153,
0.3323

11.0362, 0.1637,
0.0991

98.9550, 0.3226,
0.3453

■ 8.7494, 0.1563,
0.0816

■ 8.4323, 0.1553,
0.0791

Harmonies

Analogous

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



39.6485, 0.2156, 0.2460



39.6485, 0.2459, 0.2372



39.6485, 0.2959, 0.2489

Triad

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



39.6485, 0.2459, 0.2372



39.6485, 0.4294, 0.3632



39.6485, 0.2656, 0.3895

Complementary

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



39.6485, 0.2459, 0.2372



70.9605, 0.3772, 0.4063

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.



39.6485, 0.3206, 0.4296



39.6485, 0.2459, 0.2372



39.6485, 0.4170, 0.4055

Square

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



39.6485, 0.2459, 0.2372



39.6485, 0.4067, 0.3179



39.6485, 0.3763, 0.4329



39.6485, 0.2256, 0.3300

Rectangle

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



39.6485, 0.2459, 0.2372



39.6485, 0.3358, 0.2664



39.6485, 0.3763, 0.4329



39.6485, 0.2829, 0.4063

Sweetspot

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



39.6500, 0.2459, 0.2372



81.7125, 0.2954, 0.3063



72.4485, 0.2693, 0.3528



17.0422, 0.2932, 0.3033



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.



39.6500, 0.2459, 0.2372



38.5093, 0.2305, 0.2142



35.8970, 0.2617, 0.2182



15.7636, 0.2980, 0.3097



4.8526, 0.1559, 0.0812



0.5427, 0.1623, 0.1043

Inverse Universe

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



41.7989, 0.3873, 0.3079



41.9668, 0.4113, 0.3037



77.3072, 0.3512, 0.4305



15.8129, 0.3260, 0.3241



10.2832, 0.6050, 0.3106



0.8695, 0.5694, 0.2910

Previews

White Background



This preview shows how the Yxy color 39.6485, 0.2459, 0.2372 looks on a white background.

Color Contrast Check

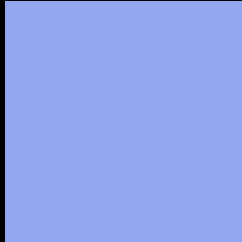
Large Text (above 18pt) WCAG AA × Fail

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 39.6485, 0.2459, 0.2372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

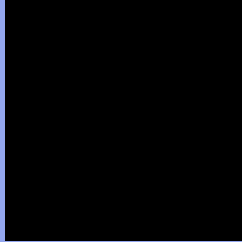
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.6485, 0.2459, 0.2372

Background



This preview shows how black text looks on a background with the Yxy color 39.6485, 0.2459, 0.2372.



This preview shows how white text looks on a background with the Yxy color 39.6485, 0.2459, 0.2372.

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

39.6485, 0.2459, 0.2372

Protanopia

39.5565, 0.2453, 0.2371

Deuteranopia

39.7398, 0.2442, 0.2381



Tritanopia

39.4850, 0.2697, 0.3086

Trichromacy



Original Color

39.6485, 0.2459, 0.2372

Protanomaly

39.5565, 0.2453, 0.2371

Deuteranomaly

39.8302, 0.2448, 0.2382

Tritanomaly

39.4990, 0.2602, 0.2804

Monochromacy



Original Color

39.6485, 0.2459, 0.2372

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.4774, 0.2857, 0.2934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6485, 0.2459, 0.2372 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(147, 166, 238)` looks like.

```
.text, #text, p{  
    color:rgb(147, 166, 238)  
}
```

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(147, 166, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 166, 238) }
```

Border

The CSS property to change the border of an element to Yxy 39.6485, 0.2459, 0.2372 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(147, 166, 238) }
```

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

```
.border{ border-color:rgb(147, 166, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 166, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 166, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 166, 238);  
box-shadow:4px 4px 4px 4px rgb(147, 166,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6485, 0.2459, 0.2372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 166, 238) }
```

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

```
.background{ background-color: rgb(147,  
166, 238) }
```

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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