

Converting Colors

$Y_{xy}(39.7970, 0.2504, 0.2379)$

Have a look what the booklet for
Yxy(39.7970, 0.2504, 0.2379)
contains.

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Color

Yxy(39.7970, 0.2504, 0.2379)

Conversions

Conversions Part 1

Format	Color
Hex	99A5ED
RGB	153, 165, 237
RGB Percent	60%, 65%, 93%
CMY	0.3997, 0.3530, 0.0706
CMYK	0.35, 0.30, 0.00, 0.07
HSL	231°, 70%, 76%
HSV	231°, 35%, 93%
XYZ	41.8881, 39.7970, 85.5995
YIQ	169.6200, -30.2640, 19.8480

Conversions

Conversions Part 2

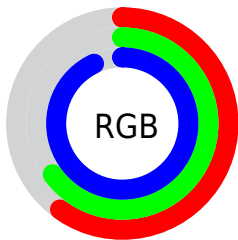
Format	Color
RYB	153, 164, 237
Decimal	10069485
CIELab	69.32, 12.72, -37.48
CIElCh	69, 39.575, 288.749
Yxy	39.7970, 0.2504, 0.2379
Android (android.graphics.Color)	4288259565 (0xFF99A5ED)
YUV	169.6200, 33.2183, -14.5757
Hunter-Lab	63.0849, 8.1247, -36.2909

Details

The Yxy color **39.7970, 0.2504, 0.2379** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **74.2086, 0.3700, 0.4060**, and the grayscale version is **39.8487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9617, 0.2835, 0.2917**, and **17.7991, 0.2327, 0.2136** is the 20% darker color. If you saturate the color by 10%, you get **30.9542, 0.2302, 0.2068**, and if you desaturate by 10%, it is **50.2673, 0.2698, 0.2671**.

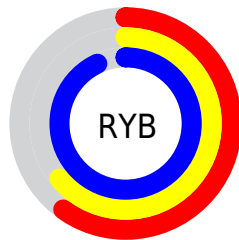
Distribution



Red (60%)

Green (65%)

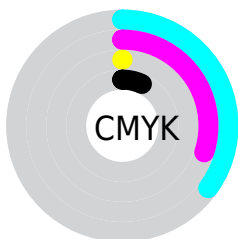
Blue (93%)



Red (60%)

Yellow (64%)

Blue (93%)

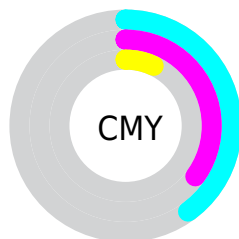


Cyan (35%)

Magenta (30%)

Yellow (0%)

Black (7%)



Cyan (40%)

Magenta (35%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.7970, 0.2504, 0.2379 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 39.7970, 0.2504, 0.2379 by changing the saturation by 10% instead.

■ 39.7970, 0.2504,
0.2379

■ 39.7970, 0.2504,
0.2379

■ 345.2672, 0.2819,
0.2821

■ 27.3803, 0.2426,
0.2275

■ 74.8543, 0.2618,
0.2535

■ 17.8590, 0.2327,
0.2145

■ 98.2637, 0.2661,
0.2595

■ 10.8488, 0.2198,
0.1979

■ 126.1061, 0.2697,
0.2647

■ 5.9653, 0.2024,
0.1762

■ 158.7659, 0.2729,
0.2691

■ 2.8240, 0.1779,
0.1471

■ 196.6275, 0.2756,
0.2730

■ 1.0405, 0.1421,
0.1074

■ 240.0754, 0.2779,

■ 0.0000, 0.0632,

0.2764

0.0000

289.4938, 0.2800,
0.2794

0.0000, 0.0000,
0.0000

39.7970, 0.2504,
0.2379

39.7970, 0.2504,
0.2379

30.9542, 0.2302,
0.2068

50.2673, 0.2698,
0.2671

23.6522, 0.2102,
0.1748

62.4370, 0.2880,
0.2937

17.8028, 0.1915,
0.1438

76.3790, 0.3045,
0.3174

13.3070, 0.1754,
0.1156

92.1607, 0.3193,
0.3382

10.0531, 0.1630,
0.0923

98.8949, 0.3232,
0.3464

■ 7.9103, 0.1551,
0.0753

■ 7.2386, 0.1527,
0.0698

Harmonies

Analogous

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



39.7970, 0.2181, 0.2445



39.7970, 0.2504, 0.2379



39.7970, 0.3018, 0.2514

Triad

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



39.7970, 0.2504, 0.2379



39.7970, 0.4292, 0.3676



39.7970, 0.2610, 0.3837

Complementary

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



39.7970, 0.2504, 0.2379



74.2086, 0.3700, 0.4060

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.



39.7970, 0.3148, 0.4266



39.7970, 0.2504, 0.2379



39.7970, 0.4136, 0.4088

Square

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



39.7970, 0.2504, 0.2379



39.7970, 0.4100, 0.3224



39.7970, 0.3709, 0.4337



39.7970, 0.2232, 0.3242

Rectangle

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



39.7970, 0.2504, 0.2379



39.7970, 0.3417, 0.2699



39.7970, 0.3709, 0.4337



39.7970, 0.2777, 0.4012

Sweetspot

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



39.7985, 0.2504, 0.2379



80.6563, 0.2954, 0.3044



72.7562, 0.2692, 0.3439



16.7923, 0.2931, 0.3011



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.



39.7985, 0.2504, 0.2379



39.7373, 0.2368, 0.2170



38.9198, 0.2708, 0.2286



14.8938, 0.2980, 0.3081



4.0638, 0.1532, 0.0715



0.4271, 0.1589, 0.0920

Inverse Universe

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



43.5271, 0.3854, 0.3158



45.0565, 0.4063, 0.3133



76.2310, 0.3446, 0.4240



15.0889, 0.3271, 0.3257



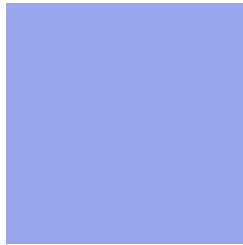
9.9030, 0.6208, 0.3193



0.7885, 0.5881, 0.3013

Previews

White Background



This preview shows how the Yxy color 39.7970, 0.2504, 0.2379 looks on a white background.

Color Contrast Check

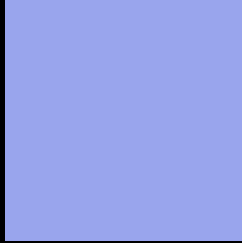
Large Text (above 18pt) WCAG AA × Fail

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 39.7970, 0.2504, 0.2379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

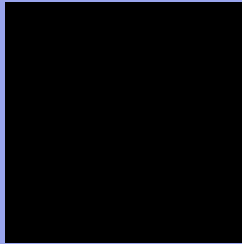
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7970, 0.2504, 0.2379

Background



This preview shows how black text looks on a background with the Yxy color 39.7970, 0.2504, 0.2379.



This preview shows how white text looks on a background with the Yxy color 39.7970, 0.2504, 0.2379.

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

39.7970, 0.2504, 0.2379

Protanopia

40.0135, 0.2461, 0.2386

Deuteranopia

39.8629, 0.2460, 0.2394



Tritanopia

39.6537, 0.2755, 0.3089

Trichromacy



Original Color

39.7970, 0.2504, 0.2379

Protanomaly

39.8350, 0.2473, 0.2376

Deuteranomaly

39.7764, 0.2478, 0.2386

Tritanomaly

39.6930, 0.2658, 0.2809

Monochromacy



Original Color

39.7970, 0.2504, 0.2379

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.7928, 0.2882, 0.2937

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7970, 0.2504, 0.2379 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(153, 165, 237)` looks like.

```
.text, #text, p{  
    color:rgb(153, 165, 237)  
}
```

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(153, 165, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 165, 237) }
```

Border

The CSS property to change the border of an element to Yxy 39.7970, 0.2504, 0.2379 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(153, 165, 237) }
```

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

```
.border{ border-color:rgb(153, 165, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 165, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 165, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 165, 237);  
box-shadow:4px 4px 4px 4px rgb(153, 165,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7970, 0.2504, 0.2379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 165, 237) }
```

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

```
.background{ background-color: rgb(153,  
165, 237) }
```

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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