

Converting Colors

$Y_{xy}(40.3230, 0.2469, 0.2410)$

Have a look what the booklet for
Yxy(40.3230, 0.2469, 0.2410)
contains.

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Color

Yxy(40.3227, 0.2469, 0.2409)

Conversions

Conversions Part 1

Format	Color
Hex	93A8ED
RGB	147, 168, 237
RGB Percent	58%, 66%, 93%
CMY	0.4234, 0.3412, 0.0705
CMYK	0.38, 0.29, 0.00, 0.07
HSL	226°, 71%, 75%
HSV	226°, 38%, 93%
XYZ	41.3270, 40.3227, 85.7339
YIQ	169.5870, -34.6650, 17.0070

Conversions

Conversions Part 2

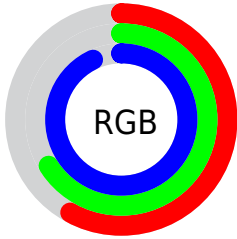
Format	Color
RYB	147, 164, 237
Decimal	9677037
CIELab	69.70, 9.40, -36.93
CIElCh	70, 38.105, 284.284
Yxy	40.3227, 0.2469, 0.2409
Android (android.graphics.Color)	4287867117 (0xFF93A8ED)
YUV	169.5870, 33.2346, -19.8088
Hunter-Lab	63.5002, 5.0456, -35.5995

Details

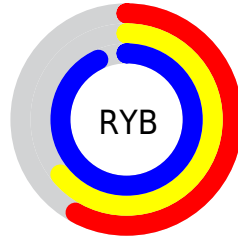
The Yxy color **40.3227, 0.2469, 0.2409** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **69.2548, 0.3774, 0.4036**, and the grayscale version is **39.8309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6919, 0.2799, 0.2946**, and **18.1023, 0.2281, 0.2173** is the 20% darker color. If you saturate the color by 10%, you get **32.1036, 0.2277, 0.2126**, and if you desaturate by 10%, it is **49.9348, 0.2658, 0.2674**.

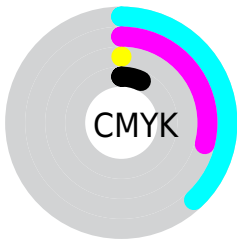
Distribution



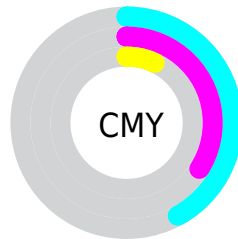
- Red (58%)
- Green (66%)
- Blue (93%)



- Red (58%)
- Yellow (64%)
- Blue (93%)



- Cyan (38%)
- Magenta (29%)
- Yellow (0%)
- Black (7%)





- Cyan (42%)
- Magenta (34%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3227, 0.2469, 0.2409 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 40.3227, 0.2469, 0.2409 by changing the saturation by 10% instead.


 40.3227, 0.2469,
0.2409


 40.3227, 0.2469,
0.2409


347.4818, 0.2799,
0.2838

 27.7902, 0.2388,
0.2307


 75.6547, 0.2588,
0.2561

 18.1676, 0.2285,
0.2180

 99.2229, 0.2633,
0.2619

 11.0704, 0.2152,
0.2018


127.2386, 0.2671,
0.2669

 6.1142, 0.1972,
0.1804

160.0861, 0.2704,
0.2712

 2.9146, 0.1722,
0.1516

198.1498, 0.2733,
0.2750

 1.0873, 0.1360,
0.1121

241.8140, 0.2757,

 0.0000, 0.0525,

0.2783

0.0000

291.4632, 0.2779,
0.2812

0.0000, 0.0000,
0.0000

40.3227, 0.2469,
0.2409

40.3227, 0.2469,
0.2409

32.1036, 0.2277,
0.2126

49.9348, 0.2658,
0.2674

25.2062, 0.2089,
0.1835

60.9974, 0.2837,
0.2917

19.5597, 0.1916,
0.1547

73.5700, 0.3004,
0.3135

15.0843, 0.1768,
0.1280

87.7076, 0.3157,
0.3327

11.6896, 0.1653,
0.1048

98.8951, 0.3232,
0.3463

■ 9.2646, 0.1577,
0.0864

■ 8.8666, 0.1565,
0.0833

Harmonies

Analogous

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



40.3227, 0.2188, 0.2506



40.3227, 0.2469, 0.2409



40.3227, 0.2941, 0.2512

Triad

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



40.3227, 0.2469, 0.2409



40.3227, 0.4238, 0.3601



40.3227, 0.2702, 0.3890

Complementary

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



40.3227, 0.2469, 0.2409



69.2548, 0.3774, 0.4036

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.



40.3227, 0.3232, 0.4256



40.3227, 0.2469, 0.2409



40.3227, 0.4138, 0.4008

Square

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



40.3227, 0.2469, 0.2409



40.3227, 0.4004, 0.3166



40.3227, 0.3761, 0.4275



40.3227, 0.2307, 0.3330

Rectangle

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



40.3227, 0.2469, 0.2409



40.3227, 0.3320, 0.2675



40.3227, 0.3761, 0.4275



40.3227, 0.2869, 0.4045

Sweetspot

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



40.3242, 0.2469, 0.2409



82.0944, 0.2954, 0.3070



71.7404, 0.2704, 0.3544



17.1326, 0.2932, 0.3041



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.



40.3242, 0.2469, 0.2409



39.5151, 0.2311, 0.2177



35.6555, 0.2610, 0.2188



15.1182, 0.2980, 0.3104



5.0061, 0.1572, 0.0857



0.5367, 0.1642, 0.1112

Inverse Universe

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



41.7125, 0.3842, 0.3056



42.0683, 0.4081, 0.3008



76.8318, 0.3520, 0.4293



15.1115, 0.3256, 0.3235



9.9982, 0.5979, 0.3067



0.7996, 0.5593, 0.2855

Previews

White Background



This preview shows how the Yxy color 40.3227, 0.2469, 0.2409 looks on a white background.

Color Contrast Check

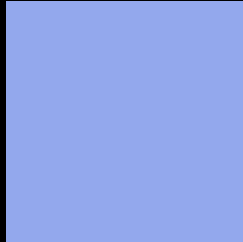
Large Text (above 18pt) WCAG AA × Fail

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 40.3227, 0.2469, 0.2409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

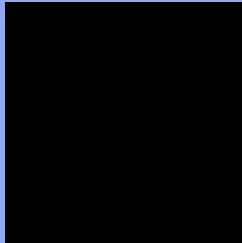
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3227, 0.2469, 0.2409

Background



This preview shows how black text looks on a background with the Yxy color 40.3227, 0.2469, 0.2409.



This preview shows how white text looks on a background with the Yxy color 40.3227, 0.2469, 0.2409.

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

40.3227, 0.2469, 0.2409

Protanopia

40.5092, 0.2482, 0.2412

Deuteranopia

40.3227, 0.2469, 0.2409



Tritanopia

40.4401, 0.2694, 0.3088

Trichromacy



Original Color

40.3227, 0.2469, 0.2409

Protanomaly

40.4156, 0.2475, 0.2411

Deuteranomaly

40.3227, 0.2469, 0.2409

Tritanomaly

40.4016, 0.2607, 0.2820

Monochromacy



Original Color

40.3227, 0.2469, 0.2409

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.9524, 0.2866, 0.2949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3227, 0.2469, 0.2409 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, 168, 237)` looks like.

```
.text, #text, p{  
    color:rgb(147, 168, 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(147, 168, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 168, 237) }
```

Border

The CSS property to change the border of an element to Yxy 40.3227, 0.2469, 0.2409 is called "border". The border property can be set on classes, ids or directly on the HTML element.

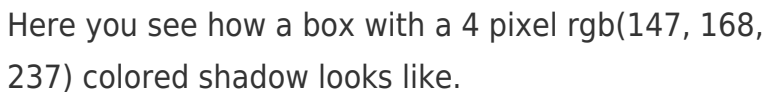
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 168, 237) }
```

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

```
.border{ border-color:rgb(147, 168, 237) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 168, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 168, 237); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 168, 237); box-shadow:4px 4px 4px 4px rgb(147, 168, 237) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3227, 0.2469, 0.2409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 168, 237) }
```

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

```
.background{ background-color: rgb(147,  
168, 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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