

Converting Colors

$Y_{xy}(40.4212, 0.2538, 0.2464)$

Have a look what the booklet for
Yxy(40.4212, 0.2538, 0.2464)
contains.

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Color

Yxy(40.2359, 0.2537, 0.2458)

Conversions

Conversions Part 1

Format	Color
Hex	99A7E8
RGB	153, 167, 232
RGB Percent	60%, 65%, 91%
CMY	0.3998, 0.3451, 0.0902
CMYK	0.34, 0.28, 0.00, 0.09
HSL	229°, 63%, 76%
HSV	229°, 34%, 91%
XYZ	41.5291, 40.2359, 81.9287
YIQ	170.2240, -29.2090, 17.2470

Conversions

Conversions Part 2

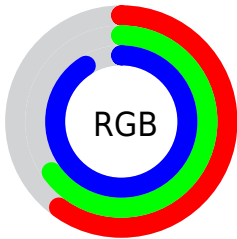
Format	Color
R _Y B	153, 165, 232
Decimal	10069992
CIE _{Lab}	69.64, 10.28, -34.26
CIE _{LCh}	70, 35.769, 286.708
Yxy	40.2359, 0.2537, 0.2458
Android (android.graphics.Color)	4288260072 (0xFF99A7E8)
YUV	170.2240, 30.4556, -15.1054
Hunter-Lab	63.4318, 5.8592, -32.1769

Details

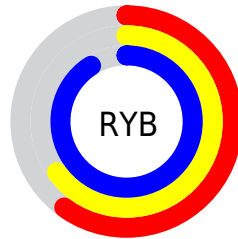
The Yxy color `40.2359, 0.2537, 0.2458` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `69.6410, 0.3686, 0.4003`, and the grayscale version is `40.1769, 0.3127, 0.3290`.

A 20% lighter version of the original color is `73.0179, 0.2836, 0.2939`, and `18.0487, 0.2368, 0.2236` is the 20% darker color. If you saturate the color by 10%, you get `31.7038, 0.2340, 0.2161`, and if you desaturate by 10%, it is `50.2442, 0.2727, 0.2734`.

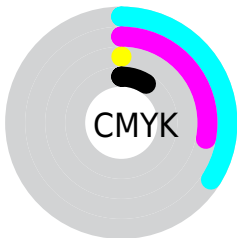
Distribution



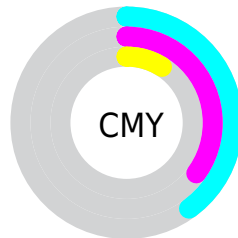
- Red (60%)
- Green (65%)
- Blue (91%)



- Red (60%)
- Yellow (65%)
- Blue (91%)



- Cyan (34%)
- Magenta (28%)
- Yellow (0%)
- Black (9%)



- Cyan (40%)
- Magenta (35%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2359, 0.2537, 0.2458 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 40.2359, 0.2537, 0.2458 by changing the saturation by 10% instead.

■ 40.2359, 0.2537,
0.2458

■ 40.2359, 0.2537,
0.2458

347.1169, 0.2835,
0.2864

■ 27.7225, 0.2463,
0.2361

■ 75.5226, 0.2645,
0.2603

■ 18.1166, 0.2369,
0.2240

■ 99.0647, 0.2686,
0.2658

■ 11.0337, 0.2246,
0.2083

127.0518, 0.2720,
0.2705

■ 6.0895, 0.2079,
0.1877

159.8684, 0.2750,
0.2745

■ 2.8996, 0.1842,
0.1595

197.8988, 0.2775,
0.2781

■ 1.0795, 0.1490,
0.1200

241.5274, 0.2797,

■ 0.0000, 0.0638,

0.2812

0.0000

291.1386, 0.2817,
0.2840

0.0000, 0.0000,
0.0000

40.2359, 0.2537,
0.2458

40.2359, 0.2537,
0.2458

31.7038, 0.2340,
0.2161

50.2442, 0.2727,
0.2734

24.5726, 0.2143,
0.1853

61.7901, 0.2904,
0.2985

18.7671, 0.1957,
0.1548

74.9367, 0.3066,
0.3208

14.2030, 0.1793,
0.1264

89.7427, 0.3212,
0.3404

10.7859, 0.1663,
0.1018

98.6068, 0.3262,
0.3512

■ 8.4064, 0.1575,
0.0828

■ 7.4091, 0.1540,
0.0743

Harmonies

Analogous

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



40.2359, 0.2253, 0.2536



40.2359, 0.2537, 0.2458



40.2359, 0.2996, 0.2569

Triad

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



40.2359, 0.2537, 0.2458



40.2359, 0.4175, 0.3622



40.2359, 0.2692, 0.3812

Complementary

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



40.2359, 0.2537, 0.2458



69.6410, 0.3686, 0.4003

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.



40.2359, 0.3187, 0.4176



40.2359, 0.2537, 0.2458



40.2359, 0.4059, 0.3998

Square

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



40.2359, 0.2537, 0.2458



40.2359, 0.3979, 0.3208



40.2359, 0.3690, 0.4226



40.2359, 0.2333, 0.3287

Rectangle

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



40.2359, 0.2537, 0.2458



40.2359, 0.3354, 0.2732



40.2359, 0.3690, 0.4226



40.2359, 0.2848, 0.3963

Sweetspot

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



40.2374, 0.2537, 0.2458



82.8064, 0.2971, 0.3077



69.5343, 0.2721, 0.3465



17.2420, 0.2947, 0.3045



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.



40.2374, 0.2537, 0.2458



42.0865, 0.2396, 0.2247



38.0982, 0.2707, 0.2326



14.2963, 0.2980, 0.3090



4.2410, 0.1545, 0.0763



0.4344, 0.1614, 0.1008

Inverse Universe

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



42.7470, 0.3785, 0.3132



46.0775, 0.3993, 0.3099



73.2874, 0.3453, 0.4194



14.4093, 0.3265, 0.3249



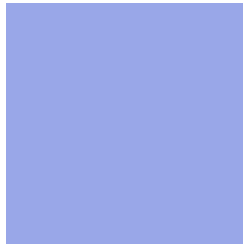
9.6258, 0.6129, 0.3150



0.7235, 0.5746, 0.2939

Previews

White Background



This preview shows how the Yxy color 40.2359, 0.2537, 0.2458 looks on a white background.

Color Contrast Check

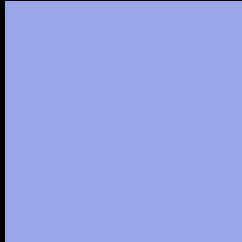
Large Text (above 18pt) WCAG AA × Fail

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 40.2359, 0.2537, 0.2458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

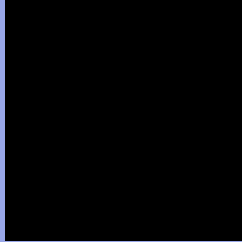
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2359, 0.2537, 0.2458

Background



This preview shows how black text looks on a background with the Yxy color 40.2359, 0.2537, 0.2458.



This preview shows how white text looks on a background with the Yxy color 40.2359, 0.2537, 0.2458.

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

40.2359, 0.2537, 0.2458

Protanopia

40.4108, 0.2525, 0.2468

Deuteranopia

40.4108, 0.2525, 0.2468



Tritanopia

40.1737, 0.2757, 0.3090

Trichromacy



Original Color

40.2359, 0.2537, 0.2458

Protanomaly

40.5069, 0.2532, 0.2470

Deuteranomaly

40.5069, 0.2532, 0.2470

Tritanomaly

40.1159, 0.2673, 0.2836

Monochromacy



Original Color

40.2359, 0.2537, 0.2458

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.1187, 0.2890, 0.2964

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2359, 0.2537, 0.2458 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, 167, 232)` looks like.

```
.text, #text, p{  
    color:rgb(153, 167, 232)  
}
```

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, 167, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 167, 232) }
```

Border

The CSS property to change the border of an element to Yxy 40.2359, 0.2537, 0.2458 is called "border". The border property can be set on classes, ids or directly on the HTML element.

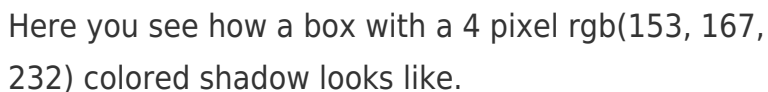
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 167, 232) }
```

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

```
.border{ border-color:rgb(153, 167, 232) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 167, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 167, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 167, 232); box-shadow:4px 4px 4px 4px rgb(153, 167, 232) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2359, 0.2537, 0.2458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 167, 232) }
```

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

```
.background{ background-color: rgb(153,  
167, 232) }
```

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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