

Converting Colors

$Y_{xy}(40.4535, 0.2503, 0.2330)$

Have a look what the booklet for
Yxy(40.4535, 0.2503, 0.2330)
contains.

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Color

Yxy(40.4892, 0.2502, 0.2335)

Conversions

Conversions Part 1

Format	Color
Hex	9DA5F2
RGB	157, 165, 242
RGB Percent	62%, 65%, 95%
CMY	0.3843, 0.3529, 0.0510
CMYK	0.35, 0.32, 0.00, 0.05
HSL	234°, 77%, 78%
HSV	234°, 35%, 95%
XYZ	43.3850, 40.4892, 89.5271
YIQ	171.3860, -29.4850, 22.2510

Conversions

Conversions Part 2

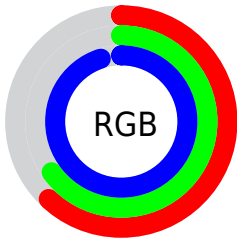
Format	Color
RYB	157, 164, 242
Decimal	10331634
CIELab	69.82, 15.08, -39.41
CIElCh	70, 42.195, 290.940
Yxy	40.4892, 0.2502, 0.2335
Android (android.graphics.Color)	4288521714 (0xFF9DA5F2)
YUV	171.3860, 34.8127, -12.6165
Hunter-Lab	63.6311, 10.3505, -38.8775

Details

The Yxy color **40.4892, 0.2502, 0.2335** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **80.1474, 0.3683, 0.4093**, and the grayscale version is **40.7622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7025, 0.2867, 0.2920**, and **18.1802, 0.2319, 0.2082** is the 20% darker color. If you saturate the color by 10%, you get **31.0516, 0.2295, 0.2008**, and if you desaturate by 10%, it is **51.7670, 0.2700, 0.2643**.

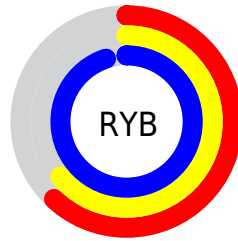
Distribution



Red (62%)

Green (65%)

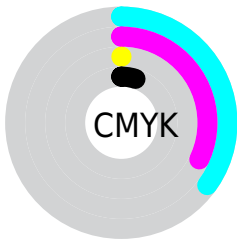
Blue (95%)



Red (62%)

Yellow (64%)

Blue (95%)

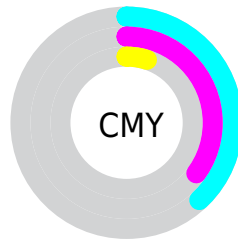


Cyan (35%)

Magenta (32%)

Yellow (0%)

Black (5%)



Cyan (38%)

Magenta (35%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.4892, 0.2502, 0.2335 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 40.4892, 0.2502, 0.2335 by changing the saturation by 10% instead.

■ 40.4892, 0.2502,
0.2335

■ 40.4892, 0.2502,
0.2335

■ 348.1812, 0.2817,
0.2794

■ 27.9202, 0.2424,
0.2228

■ 75.9079, 0.2616,
0.2496

■ 18.2655, 0.2326,
0.2095

■ 99.5263, 0.2659,
0.2559

■ 11.1408, 0.2198,
0.1927

■ 127.5967, 0.2695,
0.2612

■ 6.1616, 0.2025,
0.1709

■ 160.5034, 0.2727,
0.2658

■ 2.9436, 0.1785,
0.1420

■ 198.6308, 0.2754,
0.2698

■ 1.1024, 0.1436,
0.1032

■ 242.3633, 0.2778,

■ 0.0000, 0.0796,

0.2734

0.0000

292.0853, 0.2798,
0.2766

0.0000, 0.0000,
0.0000

40.4892, 0.2502,
0.2335

40.4892, 0.2502,
0.2335

31.0516, 0.2295,
0.2008

51.7670, 0.2700,
0.2643

23.3518, 0.2090,
0.1674

64.9707, 0.2884,
0.2924

17.2845, 0.1898,
0.1355

80.1863, 0.3049,
0.3174

12.7313, 0.1734,
0.1073

97.4932, 0.3197,
0.3393

9.5570, 0.1611,
0.0849

99.1904, 0.3203,
0.3415

■ 7.6023, 0.1536,
0.0698

■ 7.0153, 0.1514,
0.0651

Harmonies

Analogous

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



40.4892, 0.2147, 0.2385



40.4892, 0.2502, 0.2335



40.4892, 0.3055, 0.2491

Triad

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



40.4892, 0.2502, 0.2335



40.4892, 0.4360, 0.3725



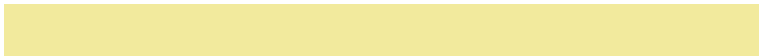
40.4892, 0.2542, 0.3827

Complementary

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



40.4892, 0.2502, 0.2335



80.1474, 0.3683, 0.4093

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.



40.4892, 0.3101, 0.4309



40.4892, 0.2502, 0.2335



40.4892, 0.4167, 0.4156

Square

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



40.4892, 0.2502, 0.2335



40.4892, 0.4186, 0.3250



40.4892, 0.3697, 0.4407



40.4892, 0.2163, 0.3190

Rectangle

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



40.4892, 0.2502, 0.2335



40.4892, 0.3479, 0.2692



40.4892, 0.3697, 0.4407



40.4892, 0.2714, 0.4021

Sweetspot

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



40.4907, 0.2502, 0.2335



79.9101, 0.2954, 0.3030



76.5797, 0.2673, 0.3387



16.6161, 0.2931, 0.2995



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.



40.4907, 0.2502, 0.2335



37.9573, 0.2358, 0.2107



41.5994, 0.2745, 0.2304



15.4682, 0.2980, 0.3069



3.8542, 0.1518, 0.0664



0.4013, 0.1558, 0.0808

Inverse Universe

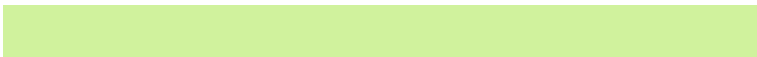
The Inverse Universe completely reimagines the original color for something new.



45.7061, 0.3888, 0.3204



44.8768, 0.4118, 0.3187



79.3438, 0.3414, 0.4242



15.7830, 0.3278, 0.3268



10.1824, 0.6293, 0.3240



0.8552, 0.6057, 0.3110

Previews

White Background



This preview shows how the Yxy color 40.4892, 0.2502, 0.2335 looks on a white background.

Color Contrast Check

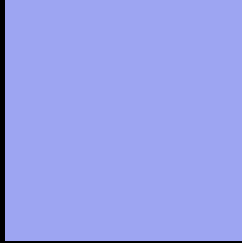
Large Text (above 18pt) WCAG AA × Fail

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 40.4892, 0.2502, 0.2335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

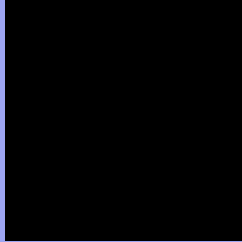
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4892, 0.2502, 0.2335

Background



This preview shows how black text looks on a background with the Yxy color 40.4892, 0.2502, 0.2335.



This preview shows how white text looks on a background with the Yxy color 40.4892, 0.2502, 0.2335.

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

40.4892, 0.2502, 0.2335

Protanopia

40.6479, 0.2424, 0.2335

Deuteranopia

40.6561, 0.2429, 0.2376



Tritanopia

40.3538, 0.2772, 0.3091

Trichromacy



Original Color

40.4892, 0.2502, 0.2335

Protanomaly

40.5925, 0.2453, 0.2339

Deuteranomaly

40.7457, 0.2460, 0.2371

Tritanomaly

40.0694, 0.2666, 0.2786

Monochromacy



Original Color

40.4892, 0.2502, 0.2335

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.5141, 0.2876, 0.2914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4892, 0.2502, 0.2335 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(157, 165, 242)` looks like.

```
.text, #text, p{  
    color:rgb(157, 165, 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(157, 165, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 165, 242) }
```

Border

The CSS property to change the border of an element to Yxy 40.4892, 0.2502, 0.2335 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(157, 165, 242) }
```

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

```
.border{ border-color:rgb(157, 165, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 165, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 165, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 165, 242);  
box-shadow:4px 4px 4px 4px rgb(157, 165,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4892, 0.2502, 0.2335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 165, 242) }
```

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

```
.background{ background-color: rgb(157,  
165, 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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