

Converting Colors

$Y_{xy}(40.9747, 0.2593, 0.2354)$

Have a look what the booklet for
Yxy(40.9747, 0.2593, 0.2354)
contains.

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Color

Yxy(40.9207, 0.2596, 0.2351)

Conversions

Conversions Part 1

Format	Color
Hex	A9A3F0
RGB	169, 163, 240
RGB Percent	66%, 64%, 94%
CMY	0.3373, 0.3608, 0.0588
CMYK	0.30, 0.32, 0.00, 0.06
HSL	245°, 72%, 79%
HSV	245°, 32%, 94%
XYZ	45.1851, 40.9207, 87.9508
YIQ	173.5720, -21.1410, 25.2190

Conversions

Conversions Part 2

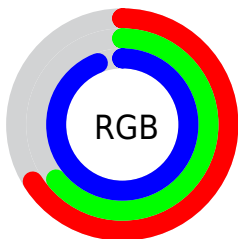
Format	Color
R _Y B	169, 163, 240
Decimal	11117552
CIE Lab	70.12, 19.02, -37.78
CIE LCh	70, 42.297, 296.727
Yxy	40.9207, 0.2596, 0.2351
Android (android.graphics.Color)	4289307632 (0xFFA9A3F0)
YUV	173.5720, 32.7490, -4.0096
Hunter-Lab	63.9693, 14.1383, -36.7388

Details

The Yxy color **40.9207, 0.2596, 0.2351** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **82.4565, 0.3568, 0.4103**, and the grayscale version is **41.9343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5316, 0.2945, 0.2908**, and **18.4744, 0.2442, 0.2107** is the 20% darker color. If you saturate the color by 10%, you get **30.9485, 0.2395, 0.2005**, and if you desaturate by 10%, it is **52.9275, 0.2783, 0.2677**.

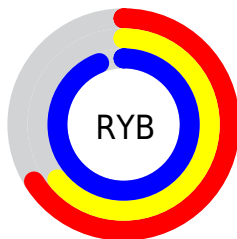
Distribution



Red (66%)

Green (64%)

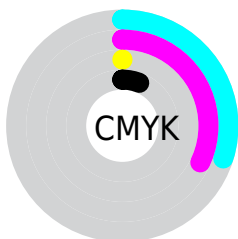
Blue (94%)



Red (66%)

Yellow (64%)

Blue (94%)

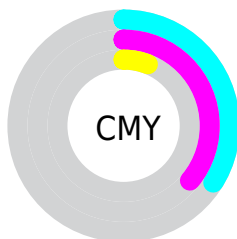


Cyan (30%)

Magenta (32%)

Yellow (0%)

Black (6%)



Cyan (34%)


Magenta (36%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9207, 0.2596, 0.2351 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 40.9207, 0.2596, 0.2351 by changing the saturation by 10% instead.


 40.9207, 0.2596,
0.2351


 40.9207, 0.2596,
0.2351


349.9891, 0.2866,
0.2800

 28.2571, 0.2529,
0.2247


 76.5635, 0.2694,
0.2509

 18.5196, 0.2443,
0.2117


 100.3115, 0.2731,
0.2569

 11.3237, 0.2330,
0.1953


128.5231, 0.2763,
0.2622

 6.2850, 0.2176,
0.1741

161.5827, 0.2789,
0.2667

 3.0191, 0.1958,
0.1458

199.8748, 0.2813,
0.2706

 1.1417, 0.1635,
0.1077

243.7835, 0.2833,

 0.0133, 0.1102,

0.2741

0.0031

293.6935, 0.2851,
0.2772

0.0000, 0.0000,
0.0000

40.9207, 0.2596,
0.2351

40.9207, 0.2596,
0.2351

30.9485, 0.2395,
0.2005

52.9275, 0.2783,
0.2677

22.8937, 0.2187,
0.1654

67.0681, 0.2951,
0.2974

16.6341, 0.1986,
0.1320

83.4408, 0.3099,
0.3239

12.0318, 0.1806,
0.1030

99.0710, 0.3214,
0.3434

8.9287, 0.1662,
0.0808

■ 7.1355, 0.1564,
0.0668

■ 6.4260, 0.1519,
0.0611

Harmonies

Analogous

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



40.9207, 0.2199, 0.2359



40.9207, 0.2596, 0.2351



40.9207, 0.3176, 0.2543

Triad

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



40.9207, 0.2596, 0.2351



40.9207, 0.4349, 0.3815



40.9207, 0.2452, 0.3706

Complementary

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



40.9207, 0.2596, 0.2351



82.4565, 0.3568, 0.4103

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.



40.9207, 0.2985, 0.4241



40.9207, 0.2596, 0.2351



40.9207, 0.4092, 0.4223

Square

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



40.9207, 0.2596, 0.2351



40.9207, 0.4247, 0.3341



40.9207, 0.3587, 0.4419



40.9207, 0.2118, 0.3075

Rectangle

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



40.9207, 0.2596, 0.2351



40.9207, 0.3600, 0.2763



40.9207, 0.3587, 0.4419



40.9207, 0.2613, 0.3911

Sweetspot

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



40.9223, 0.2596, 0.2351



80.6050, 0.2983, 0.3031



73.4166, 0.2661, 0.3229



16.7145, 0.2961, 0.2992



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.



40.9223, 0.2596, 0.2351



39.7751, 0.2476, 0.2143



45.7010, 0.2888, 0.2424



15.2874, 0.2991, 0.3047



3.5395, 0.1525, 0.0614



0.3146, 0.1586, 0.0647

Inverse Universe

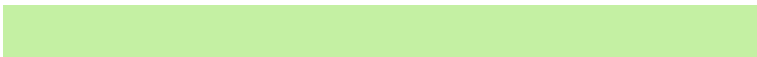
The Inverse Universe completely reimagines the original color for something new.



50.6628, 0.3213, 0.2548



52.4922, 0.3232, 0.2412



76.7475, 0.3301, 0.4179



16.0090, 0.3150, 0.3075



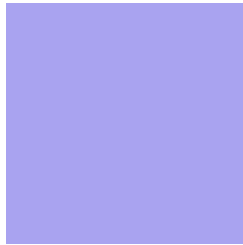
13.0180, 0.3414, 0.1655



1.0892, 0.3384, 0.1638

Previews

White Background



This preview shows how the Yxy color 40.9207, 0.2596, 0.2351 looks on a white background.

Color Contrast Check

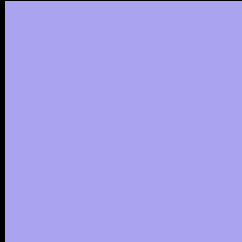
Large Text (above 18pt) WCAG AA × Fail

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 40.9207, 0.2596, 0.2351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

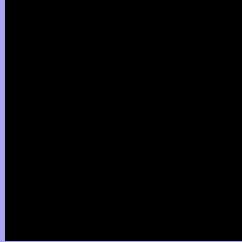
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9207, 0.2596, 0.2351

Background



This preview shows how black text looks on a background with the Yxy color 40.9207, 0.2596, 0.2351.



This preview shows how white text looks on a background with the Yxy color 40.9207, 0.2596, 0.2351.

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

40.9207, 0.2596, 0.2351

Protanopia

41.1716, 0.2427, 0.2340

Deuteranopia

40.9038, 0.2466, 0.2403



Tritanopia

40.7441, 0.2888, 0.3095

Trichromacy



Original Color

40.9207, 0.2596, 0.2351

Protanomaly

41.0771, 0.2486, 0.2347

Deuteranomaly

40.9373, 0.2516, 0.2389

Tritanomaly

40.5135, 0.2778, 0.2797

Monochromacy



Original Color

40.9207, 0.2596, 0.2351

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.5973, 0.2919, 0.2920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9207, 0.2596, 0.2351 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(169, 163, 240)` looks like.

```
.text, #text, p{  
    color:rgb(169, 163, 240)  
}
```

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(169, 163, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 163, 240) }
```

Border

The CSS property to change the border of an element to Yxy 40.9207, 0.2596, 0.2351 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(169, 163, 240) }
```

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

```
.border{ border-color:rgb(169, 163, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 163, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 163, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 163, 240);  
box-shadow:4px 4px 4px 4px rgb(169, 163,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9207, 0.2596, 0.2351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 163, 240) }
```

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

```
.background{ background-color: rgb(169,  
163, 240) }
```

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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