

Converting Colors

$Y_{xy}(40.9302, 0.2462, 0.2316)$

Have a look what the booklet for
Yxy(40.9302, 0.2462, 0.2316)
contains.

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Color

Yxy(41.0023, 0.2462, 0.2324)

Conversions

Conversions Part 1

Format	Color
Hex	99A7F5
RGB	153, 167, 245
RGB Percent	60%, 65%, 96%
CMY	0.3999, 0.3451, 0.0393
CMYK	0.38, 0.32, 0.00, 0.04
HSL	231°, 82%, 78%
HSV	231°, 38%, 96%
XYZ	43.4370, 41.0023, 91.9905
YIQ	171.7060, -33.3820, 21.2900

Conversions

Conversions Part 2

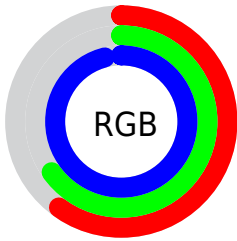
Format	Color
R _Y B	153, 165, 245
Decimal	10070005
CIE Lab	70.18, 13.68, -40.49
CIE LCh	70, 42.737, 288.666
Yxy	41.0023, 0.2462, 0.2324
Android (android.graphics.Color)	4288260085 (0xFF99A7F5)
YUV	171.7060, 36.1339, -16.4052
Hunter-Lab	64.0330, 9.0283, -40.3535

Details

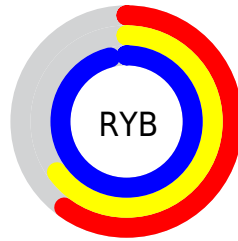
The Yxy color **41.0023, 0.2462, 0.2324** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **78.8610, 0.3741, 0.4099**, and the grayscale version is **40.9282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1642, 0.2842, 0.2939**, and **18.4890, 0.2280, 0.2082** is the 20% darker color. If you saturate the color by 10%, you get **31.8492, 0.2261, 0.2013**, and if you desaturate by 10%, it is **51.8705, 0.2658, 0.2618**.

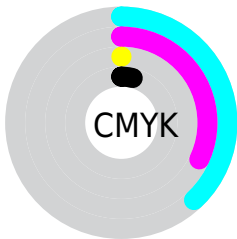
Distribution



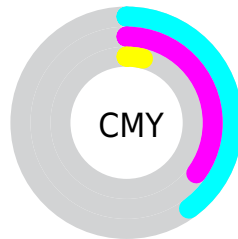
- Red (60%)
- Green (65%)
- Blue (96%)



- Red (60%)
- Yellow (65%)
- Blue (96%)



- Cyan (38%)
- Magenta (32%)
- Yellow (0%)
- Black (4%)



- Cyan (40%)
- Magenta (35%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0023, 0.2462, 0.2324 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 41.0023, 0.2462, 0.2324 by changing the saturation by 10% instead.

■ 41.0023, 0.2462,
0.2324

■ 41.0023, 0.2462,
0.2324

350.3302, 0.2795,
0.2787

■ 28.3209, 0.2381,
0.2216

■ 76.6874, 0.2582,
0.2487

■ 18.5677, 0.2278,
0.2083

■ 100.4598, 0.2627,
0.2550

■ 11.3583, 0.2145,
0.1914

128.6981, 0.2666,
0.2604

■ 6.3084, 0.1967,
0.1695

161.7866, 0.2699,
0.2650

■ 3.0335, 0.1721,
0.1407

200.1096, 0.2728,
0.2691

■ 1.1492, 0.1371,
0.1023

244.0516, 0.2753,

■ 0.0197, 0.0746,

0.2727

0.0042

293.9970, 0.2775,
0.2759

0.0000, 0.0000,
0.0000

41.0023, 0.2462,
0.2324

41.0023, 0.2462,
0.2324

31.8492, 0.2261,
0.2013

51.8705, 0.2658,
0.2618

24.3181, 0.2063,
0.1696

64.5310, 0.2842,
0.2887

18.3141, 0.1881,
0.1391

79.0621, 0.3011,
0.3128

13.7301, 0.1727,
0.1118

95.5358, 0.3163,
0.3340

10.4447, 0.1613,
0.0895

99.3711, 0.3185,
0.3386

■ 8.3113, 0.1543,
0.0737

■ 7.9287, 0.1530,
0.0707

Harmonies

Analogous

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



41.0023, 0.2122, 0.2391



41.0023, 0.2462, 0.2324



41.0023, 0.3007, 0.2467

Triad

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



41.0023, 0.2462, 0.2324



41.0023, 0.4371, 0.3692



41.0023, 0.2574, 0.3879

Complementary

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



41.0023, 0.2462, 0.2324



78.8610, 0.3741, 0.4099

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.



41.0023, 0.3146, 0.4341



41.0023, 0.2462, 0.2324



41.0023, 0.4201, 0.4133

Square

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



41.0023, 0.2462, 0.2324



41.0023, 0.4167, 0.3214



41.0023, 0.3744, 0.4408



41.0023, 0.2176, 0.3236

Rectangle

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



41.0023, 0.2462, 0.2324



41.0023, 0.3433, 0.2661



41.0023, 0.3744, 0.4408



41.0023, 0.2752, 0.4068

Sweetspot

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



41.0038, 0.2462, 0.2324



80.8140, 0.2954, 0.3047



77.7583, 0.2677, 0.3468



16.8296, 0.2931, 0.3014



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.



41.0038, 0.2462, 0.2324



37.1653, 0.2310, 0.2090



39.5326, 0.2663, 0.2214



16.3332, 0.2979, 0.3083



4.3960, 0.1535, 0.0725



0.5057, 0.1588, 0.0915

Inverse Universe

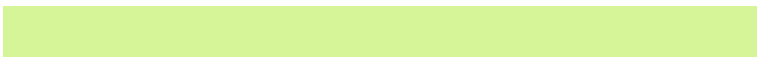
The Inverse Universe completely reimagines the original color for something new.



44.9893, 0.3909, 0.3140



42.5473, 0.4153, 0.3111



81.9359, 0.3474, 0.4298



16.5236, 0.3270, 0.3254



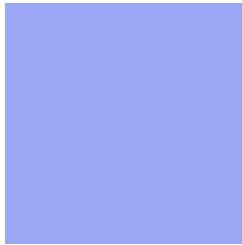
10.5431, 0.6191, 0.3184



0.9387, 0.5888, 0.3017

Previews

White Background



This preview shows how the Yxy color 41.0023, 0.2462, 0.2324 looks on a white background.

Color Contrast Check

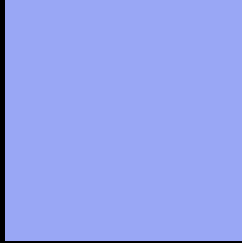
Large Text (above 18pt) WCAG AA × Fail

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 41.0023, 0.2462, 0.2324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

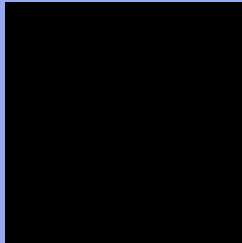
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0023, 0.2462, 0.2324

Background



This preview shows how black text looks on a background with the Yxy color 41.0023, 0.2462, 0.2324.



This preview shows how white text looks on a background with the Yxy color 41.0023, 0.2462, 0.2324.

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

41.0023, 0.2462, 0.2324

Protanopia

41.1407, 0.2415, 0.2328

Deuteranopia

41.2104, 0.2415, 0.2358



Tritanopia

40.8255, 0.2716, 0.3076

Trichromacy



Original Color

41.0023, 0.2462, 0.2324

Protanomaly

41.0486, 0.2432, 0.2320

Deuteranomaly

41.1106, 0.2432, 0.2350

Tritanomaly

40.6100, 0.2621, 0.2773

Monochromacy



Original Color

41.0023, 0.2462, 0.2324

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.8723, 0.2854, 0.2901

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0023, 0.2462, 0.2324 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(153, 167, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 167, 245) }
```

Border

The CSS property to change the border of an element to Yxy 41.0023, 0.2462, 0.2324 is called "border". The border property can be set on classes, ids or directly on the HTML element.

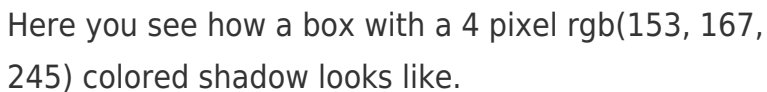
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 167, 245) }
```

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

```
.border{ border-color:rgb(153, 167, 245) }
```

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, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 167, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 167, 245); box-shadow:4px 4px 4px 4px rgb(153, 167, 245) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0023, 0.2462, 0.2324 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, 245) }
```

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

```
.background{ background-color: rgb(153,  
167, 245) }
```

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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