

Converting Colors

$Y_{xy}(40.4056, 0.2417, 0.2343)$

Have a look what the booklet for
Yxy(40.4056, 0.2417, 0.2343)
contains.

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Color

Yxy(40.4056, 0.2417, 0.2343)

Conversions

Conversions Part 1

Format	Color
Hex	90A8F3
RGB	144, 168, 243
RGB Percent	56%, 66%, 95%
CMY	0.4351, 0.3412, 0.0472
CMYK	0.41, 0.31, 0.00, 0.05
HSL	225°, 80%, 76%
HSV	225°, 41%, 95%
XYZ	41.6817, 40.4056, 90.3651
YIQ	169.3740, -38.3790, 18.2370

Conversions

Conversions Part 2

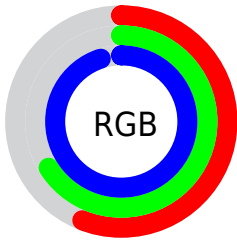
Format	Color
RYB	144, 163, 243
Decimal	9480435
CIELab	69.76, 10.23, -40.09
CIElCh	70, 41.377, 284.313
Yxy	40.4056, 0.2417, 0.2343
Android (android.graphics.Color)	4287670515 (0xFF90A8F3)
YUV	169.3740, 36.2976, -22.2530
Hunter-Lab	63.5654, 5.8084, -39.7913

Details

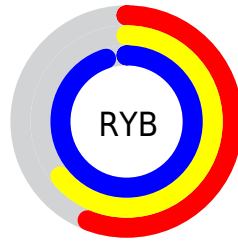
The Yxy color **40.4056, 0.2417, 0.2343** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **71.7263, 0.3830, 0.4081**, and the grayscale version is **39.7058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4129, 0.2787, 0.2945**, and **18.1107, 0.2220, 0.2101** is the 20% darker color. If you saturate the color by 10%, you get **32.1254, 0.2226, 0.2060**, and if you desaturate by 10%, it is **50.1221, 0.2607, 0.2611**.

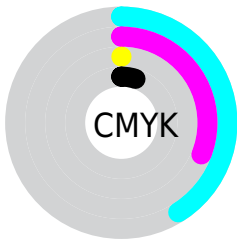
Distribution



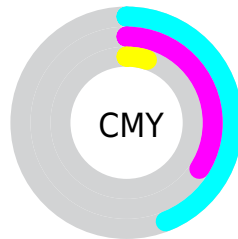
- Red (56%)
- Green (66%)
- Blue (95%)



- Red (56%)
- Yellow (64%)
- Blue (95%)



- Cyan (41%)
- Magenta (31%)
- Yellow (0%)
- Black (5%)



- Cyan (44%)
- Magenta (34%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.4056, 0.2417, 0.2343 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 40.4056, 0.2417, 0.2343 by changing the saturation by 10% instead.

■ 40.4056, 0.2417,
0.2343

■ 40.4056, 0.2417,
0.2343

■ 347.8302, 0.2772,
0.2801

■ 27.8549, 0.2331,
0.2235

■ 75.7808, 0.2545,
0.2505

■ 18.2163, 0.2222,
0.2102

■ 99.3740, 0.2593,
0.2567

■ 11.1054, 0.2081,
0.1932

■ 127.4169, 0.2634,
0.2620

■ 6.1378, 0.1894,
0.1712

■ 160.2939, 0.2669,
0.2666

■ 2.9290, 0.1636,
0.1419

■ 198.3893, 0.2700,
0.2706

■ 1.0948, 0.1271,
0.1027

■ 242.0876, 0.2727,

■ 0.0000, 0.0514,

0.2742

0.0000

291.7731, 0.2750,
0.2773

■ 0.0000, 0.0000,
0.0000

■ 40.4056, 0.2417,
0.2343

■ 40.4056, 0.2417,
0.2343

■ 32.1254, 0.2226,
0.2060

■ 50.1221, 0.2607,
0.2611

■ 25.2062, 0.2042,
0.1770

■ 61.3359, 0.2789,
0.2858

■ 19.5724, 0.1876,
0.1489

■ 74.1101, 0.2959,
0.3080

■ 15.1385, 0.1737,
0.1230

■ 88.5024, 0.3116,
0.3277

■ 11.8070, 0.1633,
0.1010

■ 99.2487, 0.3197,
0.3406

■ 9.5812, 0.1569,
0.0848

Harmonies

Analogous

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



40.4056, 0.2117, 0.2443



40.4056, 0.2417, 0.2343



40.4056, 0.2924, 0.2455

Triad

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



40.4056, 0.2417, 0.2343



40.4056, 0.4332, 0.3617



40.4056, 0.2663, 0.3945

Complementary

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



40.4056, 0.2417, 0.2343



71.7263, 0.3830, 0.4081

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.



40.4056, 0.3235, 0.4345



40.4056, 0.2417, 0.2343



40.4056, 0.4218, 0.4058

Square

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



40.4056, 0.2417, 0.2343



40.4056, 0.4080, 0.3152



40.4056, 0.3807, 0.4357



40.4056, 0.2242, 0.3329

Rectangle

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



40.4056, 0.2417, 0.2343



40.4056, 0.3334, 0.2629



40.4056, 0.3807, 0.4357



40.4056, 0.2844, 0.4116

Sweetspot

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



40.4071, 0.2417, 0.2343



80.7386, 0.2938, 0.3052



75.0852, 0.2686, 0.3587



16.8666, 0.2916, 0.3024



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.



40.4071, 0.2417, 0.2343



37.2208, 0.2256, 0.2105



34.8370, 0.2550, 0.2092



16.5785, 0.2979, 0.3105



5.4351, 0.1576, 0.0872



0.6318, 0.1640, 0.1102

Inverse Universe

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



41.8337, 0.3910, 0.3029



39.7877, 0.4164, 0.2979



81.0341, 0.3558, 0.4365



16.5483, 0.3255, 0.3233



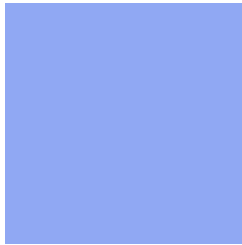
10.6480, 0.5955, 0.3054



0.9514, 0.5608, 0.2863

Previews

White Background



This preview shows how the Yxy color 40.4056, 0.2417, 0.2343 looks on a white background.

Color Contrast Check

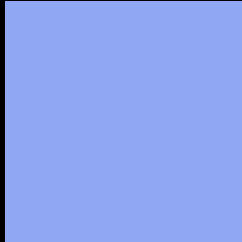
Large Text (above 18pt) WCAG AA × Fail

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 40.4056, 0.2417, 0.2343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

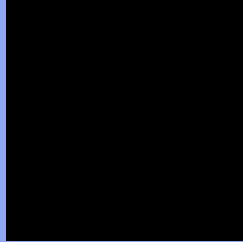
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4056, 0.2417, 0.2343

Background



This preview shows how black text looks on a background with the Yxy color 40.4056, 0.2417, 0.2343.



This preview shows how white text looks on a background with the Yxy color 40.4056, 0.2417, 0.2343.

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

40.4056, 0.2417, 0.2343

Protanopia

40.2195, 0.2427, 0.2333

Deuteranopia

40.2271, 0.2404, 0.2340



Tritanopia

40.4719, 0.2654, 0.3087

Trichromacy



Original Color

40.4056, 0.2417, 0.2343

Protanomaly

40.1282, 0.2421, 0.2331

Deuteranomaly

40.3160, 0.2410, 0.2341

Tritanomaly

40.2095, 0.2560, 0.2779

Monochromacy



Original Color

40.4056, 0.2417, 0.2343

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.8350, 0.2834, 0.2921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4056, 0.2417, 0.2343 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(144, 168, 243)` looks like.

```
.text, #text, p{  
    color:rgb(144, 168, 243)  
}
```

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(144, 168, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 168, 243) }
```

Border

The CSS property to change the border of an element to Yxy 40.4056, 0.2417, 0.2343 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(144, 168, 243) }
```

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

```
.border{ border-color:rgb(144, 168, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 168, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 168, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 168, 243);  
box-shadow:4px 4px 4px 4px rgb(144, 168,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4056, 0.2417, 0.2343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 168, 243) }
```

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

```
.background{ background-color: rgb(144,  
168, 243) }
```

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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