

Converting Colors

$Y_{xy}(40.6923, 0.2374, 0.2203)$

Have a look what the booklet for
Yxy(40.6923, 0.2374, 0.2203)
contains.

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Color

Yxy(40.7883, 0.2375, 0.2207)

Conversions

Conversions Part 1

Format	Color
Hex	94A6FF
RGB	148, 166, 255
RGB Percent	58%, 65%, 100%
CMY	0.4196, 0.3490, 0.0002
CMYK	0.42, 0.35, 0.00, 0.00
HSL	230°, 100%, 79%
HSV	230°, 42%, 100%
XYZ	43.8932, 40.7883, 100.1319
YIQ	170.7640, -39.2970, 23.8630

Conversions

Conversions Part 2

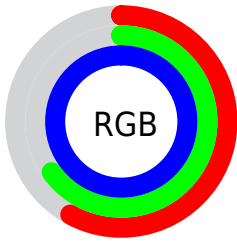
Format	Color
R _Y B	148, 163, 255
Decimal	9742079
CIE Lab	70.03, 15.67, -46.17
CIE LCh	70, 48.755, 288.746
Yxy	40.7883, 0.2375, 0.2207
Android (android.graphics.Color)	4287932159 (0xFF94A6FF)
YUV	170.7640, 41.5283, -19.9640
Hunter-Lab	63.8657, 10.9132, -48.2518

Details

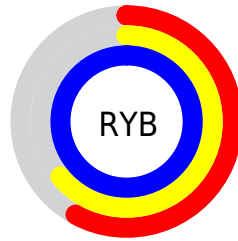
The Yxy color **40.7883, 0.2375, 0.2207** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.9299, 0.3824, 0.4177**, and the grayscale version is **40.4038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0547, 0.2816, 0.2926**, and **18.3360, 0.2166, 0.1935** is the 20% darker color. If you saturate the color by 10%, you get **31.5841, 0.2175, 0.1896**, and if you desaturate by 10%, it is **51.7899, 0.2573, 0.2505**.

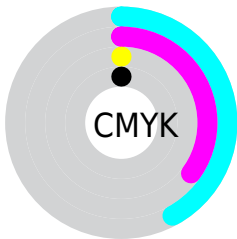
Distribution



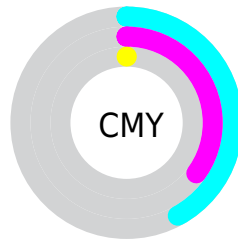
- Red (58%)
- Green (65%)
- Blue (100%)



- Red (58%)
- Yellow (64%)
- Blue (100%)



- Cyan (42%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (42%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7883, 0.2375, 0.2207 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 40.7883, 0.2375, 0.2207 by changing the saturation by 10% instead.


 40.7883, 0.2375,
0.2207

 40.7883, 0.2375,
0.2207


349.4350, 0.2749,
0.2721

 28.1537, 0.2285,
0.2090


 76.3624, 0.2509,
0.2386

 18.4416, 0.2172,
0.1946


 100.0707, 0.2560,
0.2455

 11.2675, 0.2027,
0.1766


128.2391, 0.2603,
0.2515

 6.2470, 0.1836,
0.1538

161.2518, 0.2641,
0.2567

 2.9959, 0.1578,
0.1244

199.4934, 0.2673,
0.2613

 1.1296, 0.1223,
0.0870

243.3482, 0.2702,

 0.0030, 0.0658,

0.2653

0.0005

293.2006, 0.2727,
0.2689

0.0000, 0.0000,
0.0000

40.7883, 0.2375,
0.2207

40.7883, 0.2375,
0.2207

31.5841, 0.2175,
0.1896

51.7899, 0.2573,
0.2505

24.0757, 0.1984,
0.1586

64.6739, 0.2762,
0.2781

18.1584, 0.1815,
0.1294

79.5253, 0.2938,
0.3029

13.7131, 0.1678,
0.1040

96.4224, 0.3098,
0.3250

10.6029, 0.1582,
0.0841

99.9974, 0.3127,
0.3290

■ 8.9399, 0.1535,
0.0726

Harmonies

Analogous

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



40.7883, 0.1999, 0.2274



40.7883, 0.2375, 0.2207



40.7883, 0.2987, 0.2368

Triad

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



40.7883, 0.2375, 0.2207



40.7883, 0.4544, 0.3725



40.7883, 0.2492, 0.3967

Complementary

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



40.7883, 0.2375, 0.2207



83.9299, 0.3824, 0.4177

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.



40.7883, 0.3135, 0.4507



40.7883, 0.2375, 0.2207



40.7883, 0.4338, 0.4230

Square

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



40.7883, 0.2375, 0.2207



40.7883, 0.4317, 0.3194



40.7883, 0.3812, 0.4565



40.7883, 0.2051, 0.3216

Rectangle

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



40.7883, 0.2375, 0.2207



40.7883, 0.3473, 0.2583



40.7883, 0.3812, 0.4565



40.7883, 0.2691, 0.4191

Sweetspot

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



40.7898, 0.2375, 0.2207



77.9005, 0.2920, 0.3005



83.8083, 0.2641, 0.3513



15.9450, 0.2883, 0.2951



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.



40.7898, 0.2375, 0.2207



33.2552, 0.2214, 0.1957



38.3272, 0.2580, 0.2064



17.8718, 0.2979, 0.3086



4.8165, 0.1541, 0.0745



0.6006, 0.1590, 0.0923

Inverse Universe

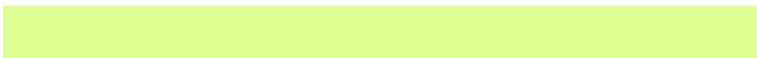
The Inverse Universe completely reimagines the original color for something new.



45.1862, 0.4032, 0.3104



38.7371, 0.4308, 0.3072



89.0182, 0.3522, 0.4420



18.0370, 0.3268, 0.3250



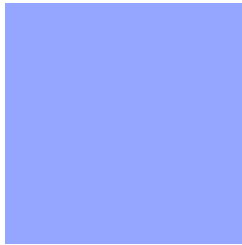
11.2142, 0.6158, 0.3166



1.1052, 0.5877, 0.3011

Previews

White Background



This preview shows how the Yxy color 40.7883, 0.2375, 0.2207 looks on a white background.

Color Contrast Check

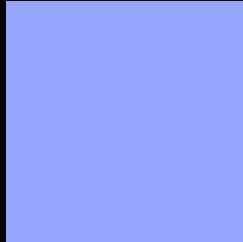
Large Text (above 18pt) WCAG AA × Fail

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 40.7883, 0.2375, 0.2207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

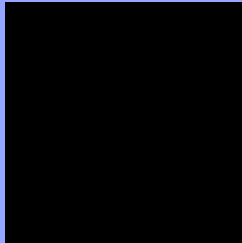
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7883, 0.2375, 0.2207

Background



This preview shows how black text looks on a background with the Yxy color 40.7883, 0.2375, 0.2207.



This preview shows how white text looks on a background with the Yxy color 40.7883, 0.2375, 0.2207.

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

40.7883, 0.2375, 0.2207

Protanopia

40.8880, 0.2337, 0.2220

Deuteranopia

40.9735, 0.2306, 0.2245



Tritanopia

40.9960, 0.2656, 0.3088

Trichromacy



Original Color

40.7883, 0.2375, 0.2207

Protanomaly

40.7867, 0.2353, 0.2212

Deuteranomaly

41.0207, 0.2332, 0.2239

Tritanomaly

40.6332, 0.2543, 0.2719

Monochromacy



Original Color

40.7883, 0.2375, 0.2207

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.4267, 0.2814, 0.2848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7883, 0.2375, 0.2207 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(148, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(148, 166, 255)  
}
```

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(148, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 166, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.7883, 0.2375, 0.2207 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(148, 166, 255) }
```

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

```
.border{ border-color:rgb(148, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(148, 166,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7883, 0.2375, 0.2207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 166, 255) }
```

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

```
.background{ background-color: rgb(148,  
166, 255) }
```

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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