

Converting Colors

$Y_{xy}(42.4537, 0.2265, 0.1992)$

Have a look what the booklet for
Yxy(42.4537, 0.2265, 0.1992)
contains.

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Color

Yxy(40.8820, 0.2381, 0.2208)

Conversions

Conversions Part 1

Format	Color
Hex	95A6FF
RGB	149, 166, 255
RGB Percent	58%, 65%, 100%
CMY	0.4156, 0.3490, 0.0000
CMYK	0.42, 0.35, 0.00, 0.00
HSL	230°, 100%, 79%
HSV	230°, 42%, 100%
XYZ	44.0852, 40.8820, 100.1868
YIQ	171.0630, -38.7010, 24.0750

Conversions

Conversions Part 2

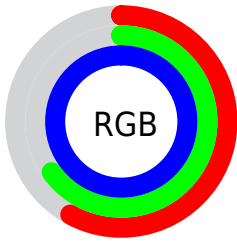
Format	Color
RYB	149, 164, 255
Decimal	9807615
CIELab	70.09, 15.95, -46.09
CIElCh	70, 48.772, 289.086
Yxy	40.8820, 0.2381, 0.2208
Android (android.graphics.Color)	4287997695 (0xFF95A6FF)
YUV	171.0630, 41.3809, -19.3493
Hunter-Lab	63.9390, 11.1802, -48.1449

Details

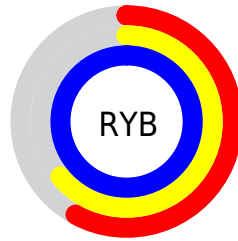
The Yxy color **40.8820, 0.2381, 0.2208** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **84.5972, 0.3814, 0.4177**, and the grayscale version is **40.5629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0547, 0.2816, 0.2926**, and **18.4390, 0.2180, 0.1940** is the 20% darker color. If you saturate the color by 10%, you get **31.5920, 0.2180, 0.1895**, and if you desaturate by 10%, it is **51.9947, 0.2580, 0.2508**.

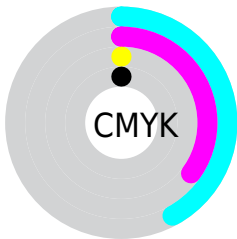
Distribution



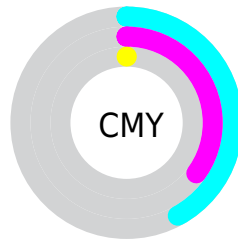
- Red (58%)
- Green (65%)
- Blue (100%)



- 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 40.8820, 0.2381, 0.2208 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 40.8820, 0.2381, 0.2208 by changing the saturation by 10% instead.


 40.8820, 0.2381,
0.2208

 40.8820, 0.2381,
0.2208

349.8272, 0.2752,
0.2721

 28.2269, 0.2292,
0.2091


 76.5047, 0.2514,
0.2387

 18.4968, 0.2179,
0.1947


 100.2412, 0.2565,
0.2456

 11.3072, 0.2035,
0.1768

128.4401, 0.2608,
0.2516

 6.2739, 0.1845,
0.1540

161.4861, 0.2645,
0.2567

 3.0123, 0.1589,
0.1247

199.7633, 0.2677,
0.2613

 1.1382, 0.1236,
0.0873

243.6564, 0.2705,

 0.0103, 0.0678,

0.2653

0.0018

293.5495, 0.2730,
0.2689

0.0000, 0.0000,
0.0000

40.8820, 0.2381,
0.2208

40.8820, 0.2381,
0.2208

31.5920, 0.2180,
0.1895

51.9947, 0.2580,
0.2508

24.0242, 0.1988,
0.1582

65.0195, 0.2769,
0.2786

18.0707, 0.1817,
0.1288

80.0421, 0.2945,
0.3036

13.6105, 0.1678,
0.1033

97.1422, 0.3104,
0.3258

10.5041, 0.1582,
0.0834

100.0000, 0.3127,
0.3290

■ 8.7944, 0.1532,
0.0715

Harmonies

Analogous

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



40.8820, 0.2003, 0.2272



40.8820, 0.2381, 0.2208



40.8820, 0.2995, 0.2372

Triad

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



40.8820, 0.2381, 0.2208



40.8820, 0.4543, 0.3731



40.8820, 0.2486, 0.3959

Complementary

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



40.8820, 0.2381, 0.2208



84.5972, 0.3814, 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.



40.8820, 0.3127, 0.4503



40.8820, 0.2381, 0.2208



40.8820, 0.4333, 0.4234

Square

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



40.8820, 0.2381, 0.2208



40.8820, 0.4322, 0.3200



40.8820, 0.3804, 0.4566



40.8820, 0.2048, 0.3208

Rectangle

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



40.8820, 0.2381, 0.2208



40.8820, 0.3482, 0.2588



40.8820, 0.3804, 0.4566



40.8820, 0.2684, 0.4183

Sweetspot

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



40.8826, 0.2381, 0.2208



79.3361, 0.2937, 0.3026



84.0461, 0.2637, 0.3490



16.5388, 0.2915, 0.2994



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.



40.8826, 0.2381, 0.2208



32.9243, 0.2211, 0.1944



38.9564, 0.2599, 0.2081



17.8474, 0.2979, 0.3084



4.7331, 0.1537, 0.0734



0.5889, 0.1586, 0.0907

Inverse Universe

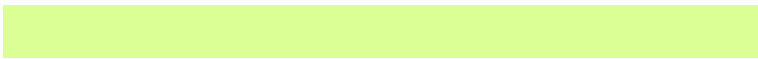
The Inverse Universe completely reimagines the original color for something new.



45.5158, 0.4028, 0.3114



38.7037, 0.4320, 0.3083



88.8557, 0.3507, 0.4413



18.0345, 0.3269, 0.3252



11.2058, 0.6176, 0.3176



1.1040, 0.5900, 0.3024

Previews

White Background



This preview shows how the Yxy color 40.8820, 0.2381, 0.2208 looks on a white background.

Color Contrast Check

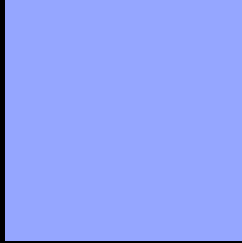
Large Text (above 18pt) WCAG AA × Fail

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 40.8820, 0.2381, 0.2208 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 40.8820, 0.2381, 0.2208

Background



This preview shows how black text looks on a background with the Yxy color 40.8820, 0.2381, 0.2208.



This preview shows how white text looks on a background with the Yxy color 40.8820, 0.2381, 0.2208.

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

40.8820, 0.2381, 0.2208

Protanopia

40.8880, 0.2337, 0.2220

Deuteranopia

40.9735, 0.2306, 0.2245



Tritanopia

41.0770, 0.2663, 0.3088

Trichromacy



Original Color

40.8820, 0.2381, 0.2208

Protanomaly

40.7867, 0.2353, 0.2212

Deuteranomaly

41.0207, 0.2332, 0.2239

Tritanomaly

40.7189, 0.2550, 0.2720

Monochromacy



Original Color

40.8820, 0.2381, 0.2208

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 40.8820, 0.2381, 0.2208 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(149, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 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(149, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 166, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.8820, 0.2381, 0.2208 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(149, 166, 255) }
```

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

```
.border{ border-color:rgb(149, 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(149, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 166,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8820, 0.2381, 0.2208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 166, 255) }
```

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

```
.background{ background-color: rgb(149,  
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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