

Converting Colors

$Y_{xy}(41.4420, 0.2407, 0.2221)$

Have a look what the booklet for
Yxy(41.4420, 0.2407, 0.2221)
contains.

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Color

Yxy(41.2647, 0.2406, 0.2215)

Conversions

Conversions Part 1

Format	Color
Hex	99A6FF
RGB	153, 166, 255
RGB Percent	60%, 65%, 100%
CMY	0.4000, 0.3490, 0.0000
CMYK	0.40, 0.35, 0.00, 0.00
HSL	232°, 100%, 80%
HSV	232°, 40%, 100%
XYZ	44.8230, 41.2647, 100.2089
YIQ	172.2590, -36.3170, 24.9230

Conversions

Conversions Part 2

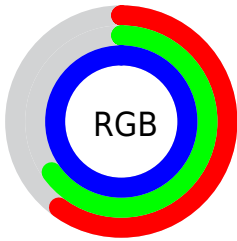
Format	Color
RYB	153, 165, 255
Decimal	10069759
CIELab	70.36, 16.94, -45.64
CIELCh	70, 48.686, 290.363
Yxy	41.2647, 0.2406, 0.2215
Android (android.graphics.Color)	4288259839 (0xFF99A6FF)
YUV	172.2590, 40.7913, -16.8901
Hunter-Lab	64.2376, 12.1358, -47.5245

Details

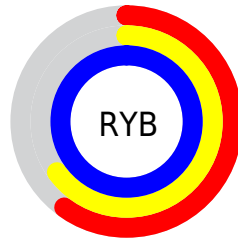
The Yxy color **41.2647, 0.2406, 0.2215** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **87.0653, 0.3775, 0.4174**, and the grayscale version is **41.1974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6345, 0.2842, 0.2928**, and **18.6532, 0.2209, 0.1949** is the 20% darker color. If you saturate the color by 10%, you get **31.6425, 0.2201, 0.1892**, and if you desaturate by 10%, it is **52.8195, 0.2607, 0.2524**.

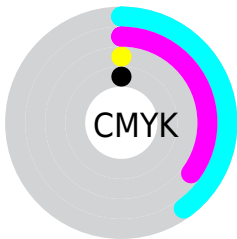
Distribution



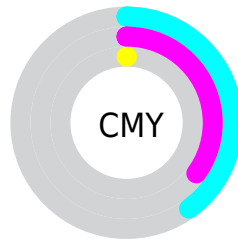
- Red (60%)
- Green (65%)
- Blue (100%)



- Red (60%)
- Yellow (65%)
- Blue (100%)



- Cyan (40%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2647, 0.2406, 0.2215 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 41.2647, 0.2406, 0.2215 by changing the saturation by 10% instead.

■ 41.2647, 0.2406,
0.2215

■ 41.2647, 0.2406,
0.2215

■ 351.4257, 0.2765,
0.2723

■ 28.5260, 0.2319,
0.2099

■ 77.0856, 0.2535,
0.2392

■ 18.7225, 0.2210,
0.1957

■ 100.9365, 0.2584,
0.2461

■ 11.4700, 0.2070,
0.1779

■ 129.2602, 0.2626,
0.2520

■ 6.3839, 0.1885,
0.1554

■ 162.4413, 0.2661,
0.2571

■ 3.0799, 0.1634,
0.1264

■ 200.8639, 0.2693,
0.2616

■ 1.1736, 0.1287,
0.0892

■ 244.9126, 0.2720,

■ 0.0400, 0.0756,

0.2656

0.0067

294.9718, 0.2744,
0.2692

0.0000, 0.0000,
0.0000

41.2647, 0.2406,
0.2215

41.2647, 0.2406,
0.2215

31.6425, 0.2201,
0.1892

52.8195, 0.2607,
0.2524

23.8422, 0.2004,
0.1570

66.4002, 0.2796,
0.2808

17.7487, 0.1826,
0.1268

82.0997, 0.2970,
0.3064

13.2319, 0.1681,
0.1008

100.0000, 0.3127,
0.3290

10.1419, 0.1579,
0.0808

■ 8.2802, 0.1522,
0.0678

■ 8.2799, 0.1522,
0.0678

Harmonies

Analogous

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



41.2647, 0.2018, 0.2269



41.2647, 0.2406, 0.2215



41.2647, 0.3025, 0.2387

Triad

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



41.2647, 0.2406, 0.2215



41.2647, 0.4536, 0.3753



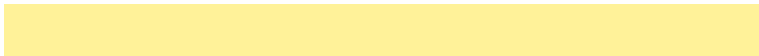
41.2647, 0.2466, 0.3925

Complementary

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



41.2647, 0.2406, 0.2215



87.0653, 0.3775, 0.4174

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.



41.2647, 0.3098, 0.4482



41.2647, 0.2406, 0.2215



41.2647, 0.4310, 0.4250

Square

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



41.2647, 0.2406, 0.2215



41.2647, 0.4334, 0.3223



41.2647, 0.3775, 0.4567



41.2647, 0.2040, 0.3178

Rectangle

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



41.2647, 0.2406, 0.2215



41.2647, 0.3511, 0.2607



41.2647, 0.3775, 0.4567



41.2647, 0.2660, 0.4152

Sweetspot

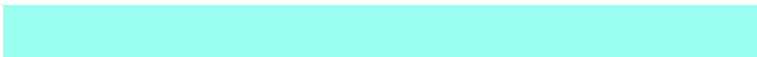
The Sweet Spot groups the original color and five complimentary colors.



41.2662, 0.2406, 0.2215



78.7830, 0.2937, 0.3015



84.6673, 0.2636, 0.3442



16.4097, 0.2915, 0.2983



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.



41.2662, 0.2406, 0.2215



33.4161, 0.2242, 0.1957



41.0032, 0.2650, 0.2140



17.7507, 0.2979, 0.3076



4.4413, 0.1526, 0.0694



0.5437, 0.1569, 0.0847

Inverse Universe

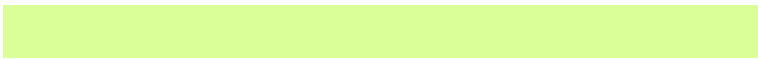
The Inverse Universe completely reimagines the original color for something new.



46.7973, 0.4014, 0.3156



40.0701, 0.4294, 0.3132



88.6638, 0.3472, 0.4378



18.0247, 0.3274, 0.3260



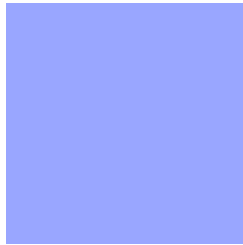
11.1763, 0.6242, 0.3212



1.0994, 0.5994, 0.3076

Previews

White Background



This preview shows how the Yxy color 41.2647, 0.2406, 0.2215 looks on a white background.

Color Contrast Check

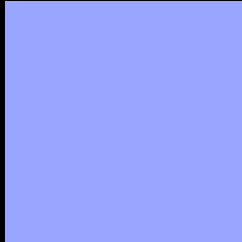
Large Text (above 18pt) WCAG AA × Fail

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 41.2647, 0.2406, 0.2215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

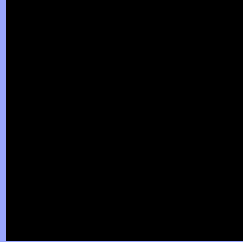
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.2647, 0.2406, 0.2215

Background



This preview shows how black text looks on a background with the Yxy color 41.2647, 0.2406, 0.2215.



This preview shows how white text looks on a background with the Yxy color 41.2647, 0.2406, 0.2215.

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

41.2647, 0.2406, 0.2215

Protanopia

41.3467, 0.2345, 0.2234

Deuteranopia

41.5158, 0.2320, 0.2261



Tritanopia

41.4937, 0.2698, 0.3090

Trichromacy



Original Color

41.2647, 0.2406, 0.2215

Protanomaly

41.3363, 0.2367, 0.2228

Deuteranomaly

41.2825, 0.2350, 0.2244

Tritanomaly

41.0696, 0.2577, 0.2724

Monochromacy



Original Color

41.2647, 0.2406, 0.2215

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.0131, 0.2831, 0.2864

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2647, 0.2406, 0.2215 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, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 166, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.2647, 0.2406, 0.2215 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, 166, 255) }
```

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

```
.border{ border-color:rgb(153, 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(153, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 166,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2647, 0.2406, 0.2215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 166, 255) }
```

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

```
.background{ background-color: rgb(153,  
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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