

Converting Colors

$Y_{xy}(40.9541, 0.2404, 0.2204)$

Have a look what the booklet for
Yxy(40.9541, 0.2404, 0.2204)
contains.

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Color

Yxy(40.9026, 0.2404, 0.2203)

Conversions

Conversions Part 1

Format	Color
Hex	99A5FF
RGB	153, 165, 255
RGB Percent	60%, 65%, 100%
CMY	0.4001, 0.3529, 0.0001
CMYK	0.40, 0.35, 0.00, 0.00
HSL	233°, 100%, 80%
HSV	233°, 40%, 100%
XYZ	44.6345, 40.9026, 100.1306
YIQ	171.6720, -36.0420, 25.4460

Conversions

Conversions Part 2

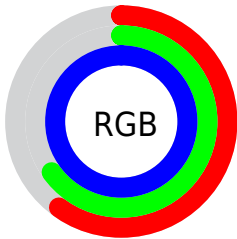
Format	Color
RYB	153, 164, 255
Decimal	10069503
CIELab	70.11, 17.49, -46.03
CIELCh	70, 49.239, 290.802
Yxy	40.9026, 0.2404, 0.2203
Android (android.graphics.Color)	4288259583 (0xFF99A5FF)
YUV	171.6720, 41.0807, -16.3753
Hunter-Lab	63.9551, 12.6543, -48.0581

Details

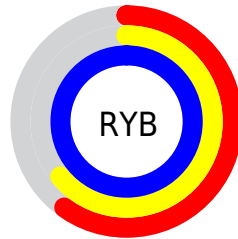
The Yxy color **40.9026, 0.2404, 0.2203** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **87.6166, 0.3771, 0.4182**, and the grayscale version is **40.8819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1080, 0.2841, 0.2918**, and **18.4289, 0.2206, 0.1933** is the 20% darker color. If you saturate the color by 10%, you get **31.2707, 0.2198, 0.1877**, and if you desaturate by 10%, it is **52.4937, 0.2606, 0.2515**.

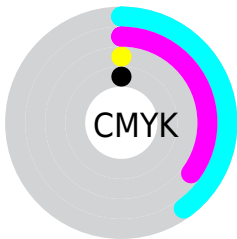
Distribution



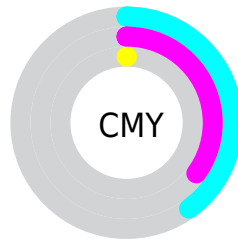
- Red (60%)
- Green (65%)
- Blue (100%)



- Red (60%)
- Yellow (64%)
- 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 40.9026, 0.2404, 0.2203 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 40.9026, 0.2404, 0.2203 by changing the saturation by 10% instead.


 40.9026, 0.2404,
0.2203


 40.9026, 0.2404,
0.2203


349.9134, 0.2765,
0.2717

 28.2430, 0.2317,
0.2086


 76.5360, 0.2534,
0.2382

 18.5089, 0.2207,
0.1942


 100.2786, 0.2583,
0.2451

 11.3160, 0.2066,
0.1763


128.4843, 0.2625,
0.2511

 6.2798, 0.1880,
0.1536

161.5375, 0.2661,
0.2563

 3.0159, 0.1628,
0.1244

199.8226, 0.2692,
0.2609

 1.1401, 0.1278,
0.0871

243.7241, 0.2719,

 0.0119, 0.0740,

0.2649

0.0020

293.6262, 0.2743,
0.2685

0.0000, 0.0000,
0.0000

40.9026, 0.2404,
0.2203

40.9026, 0.2404,
0.2203

31.2707, 0.2198,
0.1877

52.4937, 0.2606,
0.2515

23.4848, 0.2000,
0.1553

66.1398, 0.2796,
0.2803

17.4268, 0.1821,
0.1250

81.9358, 0.2970,
0.3061

12.9630, 0.1676,
0.0991

99.9694, 0.3127,
0.3290

9.9394, 0.1576,
0.0794

99.9986, 0.3127,
0.3290

■ 8.1524, 0.1519,
0.0669

Harmonies

Analogous

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



40.9026, 0.2008, 0.2253



40.9026, 0.2404, 0.2203



40.9026, 0.3034, 0.2380

Triad

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



40.9026, 0.2404, 0.2203



40.9026, 0.4555, 0.3764



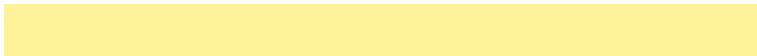
40.9026, 0.2448, 0.3924

Complementary

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



40.9026, 0.2404, 0.2203



87.6166, 0.3771, 0.4182

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.



40.9026, 0.3086, 0.4496



40.9026, 0.2404, 0.2203



40.9026, 0.4319, 0.4267

Square

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



40.9026, 0.2404, 0.2203



40.9026, 0.4358, 0.3229



40.9026, 0.3772, 0.4587



40.9026, 0.2022, 0.3165

Rectangle

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



40.9026, 0.2404, 0.2203



40.9026, 0.3527, 0.2604



40.9026, 0.3772, 0.4587



40.9026, 0.2644, 0.4156

Sweetspot

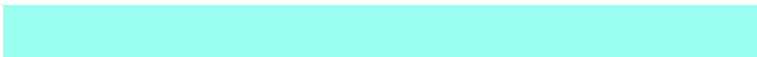
The Sweet Spot groups the original color and five complimentary colors.



40.9041, 0.2404, 0.2203



78.6251, 0.2937, 0.3012



84.6488, 0.2636, 0.3442



16.3729, 0.2915, 0.2979



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.



40.9041, 0.2404, 0.2203



33.0574, 0.2239, 0.1943



40.9874, 0.2650, 0.2140



17.7230, 0.2979, 0.3073



4.3688, 0.1524, 0.0684



0.5307, 0.1564, 0.0830

Inverse Universe

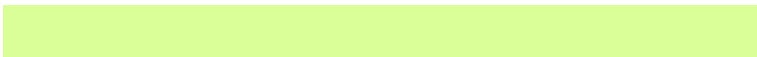
The Inverse Universe completely reimagines the original color for something new.



46.7464, 0.4024, 0.3166



40.0339, 0.4307, 0.3144



88.6448, 0.3472, 0.4378



18.0219, 0.3276, 0.3262



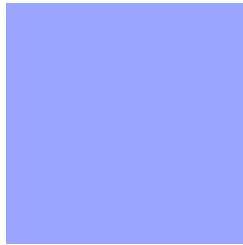
11.1690, 0.6259, 0.3222



1.0981, 0.6022, 0.3091

Previews

White Background



This preview shows how the Yxy color 40.9026, 0.2404, 0.2203 looks on a white background.

Color Contrast Check

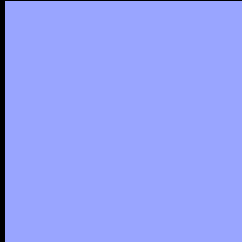
Large Text (above 18pt) WCAG AA × Fail

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 40.9026, 0.2404, 0.2203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

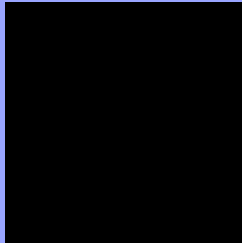
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.9026, 0.2404, 0.2203

Background



This preview shows how black text looks on a background with the Yxy color 40.9026, 0.2404, 0.2203.



This preview shows how white text looks on a background with the Yxy color 40.9026, 0.2404, 0.2203.

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

40.9026, 0.2404, 0.2203

Protanopia

40.8880, 0.2337, 0.2220

Deuteranopia

40.9735, 0.2306, 0.2245



Tritanopia

40.9649, 0.2696, 0.3089

Trichromacy



Original Color

40.9026, 0.2404, 0.2203

Protanomaly

40.8772, 0.2359, 0.2214

Deuteranomaly

40.8237, 0.2342, 0.2230

Tritanomaly

40.6331, 0.2582, 0.2722

Monochromacy



Original Color

40.9026, 0.2404, 0.2203

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.6395, 0.2831, 0.2850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9026, 0.2404, 0.2203 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, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 165, 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, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 165, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.9026, 0.2404, 0.2203 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, 165, 255) }
```

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

```
.border{ border-color:rgb(153, 165, 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, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 165,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9026, 0.2404, 0.2203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 165, 255) }
```

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

```
.background{ background-color: rgb(153,  
165, 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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