

Converting Colors

$Y_{xy}(43.5796, 0.2189, 0.1824)$

Have a look what the booklet for
Yxy(43.5796, 0.2189, 0.1824)
contains.

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Color

Yxy(40.3502, 0.2389, 0.2187)

Conversions

Conversions Part 1

Format	Color
Hex	97A4FF
RGB	151, 164, 255
RGB Percent	59%, 64%, 100%
CMY	0.4081, 0.3568, 0.0000
CMYK	0.41, 0.36, 0.00, 0.00
HSL	232°, 100%, 80%
HSV	232°, 41%, 100%
XYZ	44.0771, 40.3502, 100.0729
YIQ	170.4870, -36.9590, 25.5450

Conversions

Conversions Part 2

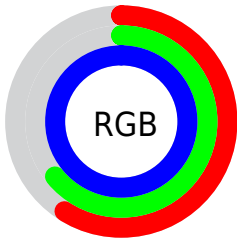
Format	Color
RYB	151, 163, 255
Decimal	9938175
CIELab	69.72, 17.54, -46.66
CIELCh	70, 49.851, 290.601
Yxy	40.3502, 0.2389, 0.2187
Android (android.graphics.Color)	4288128255 (0xFF97A4FF)
YUV	170.4870, 41.6649, -17.0901
Hunter-Lab	63.5218, 12.6961, -48.9408

Details

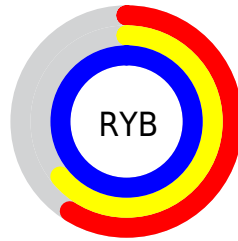
The Yxy color **40.3502, 0.2389, 0.2187** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **86.9381, 0.3788, 0.4192**, and the grayscale version is **40.2511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2929, 0.2828, 0.2905**, and **18.3204, 0.2191, 0.1928** is the 20% darker color. If you saturate the color by 10%, you get **30.8787, 0.2184, 0.1863**, and if you desaturate by 10%, it is **51.7503, 0.2591, 0.2498**.

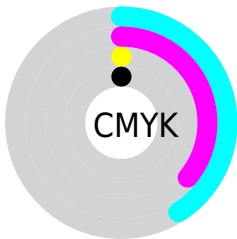
Distribution



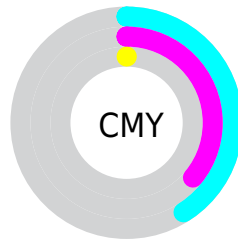
- Red (59%)
- Green (64%)
- Blue (100%)



- Red (59%)
- Yellow (64%)
- Blue (100%)



- Cyan (41%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)



- Cyan (41%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3502, 0.2389, 0.2187 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 40.3502, 0.2389, 0.2187 by changing the saturation by 10% instead.

40.3502, 0.2389,
0.2187

40.3502, 0.2389,
0.2187

347.5974, 0.2758,
0.2709

27.8117, 0.2300,
0.2068

75.6965, 0.2521,
0.2369

18.1838, 0.2188,
0.1922

99.2731, 0.2572,
0.2439

11.0820, 0.2044,
0.1741

127.2978, 0.2614,
0.2500

6.1220, 0.1854,
0.1510

160.1551, 0.2651,
0.2553

2.9194, 0.1597,
0.1216

198.2293, 0.2683,
0.2599

1.0898, 0.1242,
0.0841

241.9048, 0.2711,

0.0000, 0.0680,

0.2640

0.0000

291.5660, 0.2736,
0.2676

0.0000, 0.0000,
0.0000

40.3502, 0.2389,
0.2187

40.3502, 0.2389,
0.2187

30.8787, 0.2184,
0.1863

51.7503, 0.2591,
0.2498

23.2242, 0.1987,
0.1541

65.1737, 0.2781,
0.2785

17.2702, 0.1812,
0.1242

80.7140, 0.2957,
0.3044

12.8844, 0.1670,
0.0986

98.4574, 0.3115,
0.3273

9.9144, 0.1573,
0.0793

100.0000, 0.3127,
0.3290

■ 8.2580, 0.1521,
0.0677

Harmonies

Analogous

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



40.3502, 0.1990, 0.2239



40.3502, 0.2389, 0.2187



40.3502, 0.3027, 0.2365

Triad

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



40.3502, 0.2389, 0.2187



40.3502, 0.4579, 0.3765



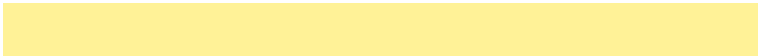
40.3502, 0.2440, 0.3940

Complementary

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



40.3502, 0.2389, 0.2187



86.9381, 0.3788, 0.4192

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.



40.3502, 0.3089, 0.4522



40.3502, 0.2389, 0.2187



40.3502, 0.4340, 0.4277

Square

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



40.3502, 0.2389, 0.2187



40.3502, 0.4376, 0.3222



40.3502, 0.3785, 0.4608



40.3502, 0.2007, 0.3166

Rectangle

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



40.3502, 0.2389, 0.2187



40.3502, 0.3528, 0.2591



40.3502, 0.3785, 0.4608



40.3502, 0.2639, 0.4177

Sweetspot

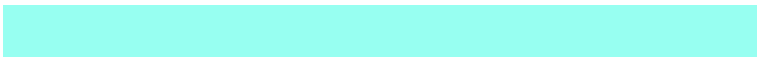
The Sweet Spot groups the original color and five complimentary colors.



40.3516, 0.2389, 0.2187



78.7563, 0.2937, 0.3015



84.4505, 0.2628, 0.3446



16.4035, 0.2915, 0.2982



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.



40.3516, 0.2389, 0.2187



32.4582, 0.2221, 0.1922



40.1593, 0.2638, 0.2114



17.7460, 0.2979, 0.3075



4.4287, 0.1526, 0.0692



0.5415, 0.1568, 0.0845

Inverse Universe

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



46.0506, 0.4042, 0.3155



39.3069, 0.4334, 0.3131



88.4791, 0.3478, 0.4401



18.0243, 0.3274, 0.3260



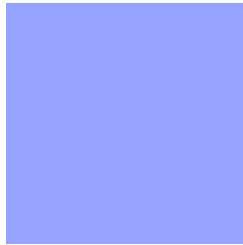
11.1750, 0.6245, 0.3214



1.0992, 0.5999, 0.3078

Previews

White Background



This preview shows how the Yxy color 40.3502, 0.2389, 0.2187 looks on a white background.

Color Contrast Check

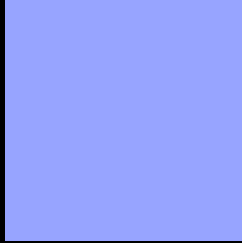
Large Text (above 18pt) WCAG AA × Fail

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 40.3502, 0.2389, 0.2187 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 40.3502, 0.2389, 0.2187

Background



This preview shows how black text looks on a background with the Yxy color 40.3502, 0.2389, 0.2187.



This preview shows how white text looks on a background with the Yxy color 40.3502, 0.2389, 0.2187.

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

40.3502, 0.2389, 0.2187

Protanopia

40.4329, 0.2329, 0.2206

Deuteranopia

40.4372, 0.2293, 0.2229



Tritanopia

40.3568, 0.2687, 0.3088

Trichromacy



Original Color

40.3502, 0.2389, 0.2187

Protanomaly

40.4217, 0.2350, 0.2200

Deuteranomaly

40.2822, 0.2328, 0.2214

Tritanomaly

40.0228, 0.2572, 0.2718

Monochromacy



Original Color

40.3502, 0.2389, 0.2187

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.0088, 0.2821, 0.2847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3502, 0.2389, 0.2187 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(151, 164, 255)` looks like.

```
.text, #text, p{  
    color:rgb(151, 164, 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(151, 164, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 164, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.3502, 0.2389, 0.2187 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(151, 164, 255) }
```

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

```
.border{ border-color:rgb(151, 164, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 164, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 164, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 164, 255);  
box-shadow:4px 4px 4px 4px rgb(151, 164,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3502, 0.2389, 0.2187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 164, 255) }
```

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

```
.background{ background-color: rgb(151,  
164, 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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