

Converting Colors

$Y_{xy}(40.0506, 0.2454, 0.2159)$

Have a look what the booklet for
Yxy(40.0506, 0.2454, 0.2159)
contains.

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Color

Yxy(40.0430, 0.2454, 0.2159)

Conversions

Conversions Part 1

Format	Color
Hex	A2A0FF
RGB	162, 160, 255
RGB Percent	64%, 63%, 100%
CMY	0.3648, 0.3725, 0.0001
CMYK	0.36, 0.37, 0.00, 0.00
HSL	241°, 100%, 81%
HSV	241°, 37%, 100%
XYZ	45.5144, 40.0430, 99.9128
YIQ	171.4280, -29.3030, 29.9690

Conversions

Conversions Part 2

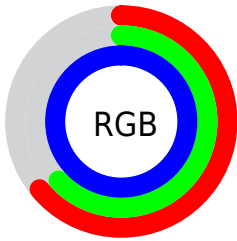
Format	Color
RYB	162, 160, 255
Decimal	10658047
CIELab	69.50, 22.64, -46.94
CIELCh	70, 52.111, 295.753
Yxy	40.0430, 0.2454, 0.2159
Android (android.graphics.Color)	4288848127 (0xFFA2A0FF)
YUV	171.4280, 41.2010, -8.2684
Hunter-Lab	63.2795, 17.6485, -49.3180

Details

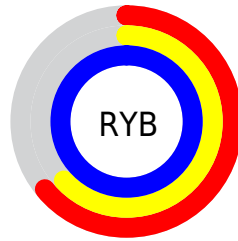
The Yxy color **40.0430, 0.2454, 0.2159** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **94.9228, 0.3675, 0.4223**, and the grayscale version is **40.7508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8809, 0.2898, 0.2870**, and **18.0787, 0.2263, 0.1894** is the 20% darker color. If you saturate the color by 10%, you get **29.7314, 0.2239, 0.1801**, and if you desaturate by 10%, it is **52.6893, 0.2660, 0.2503**.

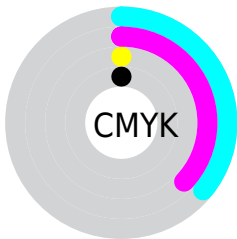
Distribution



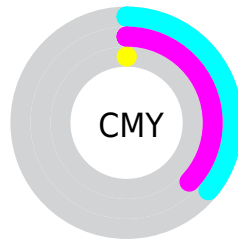
- Red (64%)
- Green (63%)
- Blue (100%)



- Red (64%)
- Yellow (63%)
- Blue (100%)



- Cyan (36%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0430, 0.2454, 0.2159 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 40.0430, 0.2454, 0.2159 by changing the saturation by 10% instead.


 40.0430, 0.2454,
0.2159


 40.0430, 0.2454,
0.2159


346.3048, 0.2794,
0.2691

 27.5721, 0.2371,
0.2039


 75.2290, 0.2577,
0.2343

 18.0033, 0.2266,
0.1892


 98.7128, 0.2623,
0.2415

 10.9524, 0.2130,
0.1709


126.6365, 0.2663,
0.2477

 6.0348, 0.1950,
0.1478

159.3842, 0.2696,
0.2531

 2.8663, 0.1703,
0.1184

197.3405, 0.2726,
0.2578

 1.0623, 0.1356,
0.0814

240.8898, 0.2751,

 0.0000, 0.0842,

0.2620

0.0000

290.4164, 0.2774,
0.2657

■ 0.0000, 0.0000,
0.0000

■ 40.0430, 0.2454,
0.2159

■ 40.0430, 0.2454,
0.2159

■ 29.7314, 0.2239,
0.1801

■ 52.6893, 0.2660,
0.2503

■ 21.6077, 0.2027,
0.1450

■ 67.7962, 0.2849,
0.2821

■ 15.5151, 0.1835,
0.1133

■ 85.4860, 0.3018,
0.3106

■ 11.2746, 0.1678,
0.0878

■ 99.9981, 0.3127,
0.3290

■ 8.6759, 0.1569,
0.0704

■ 7.4502, 0.1513,
0.0617

■ 7.2523, 0.1504,
0.0602

Harmonies

Analogous

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



40.0430, 0.1996, 0.2167



40.0430, 0.2454, 0.2159



40.0430, 0.3152, 0.2381

Triad

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



40.0430, 0.2454, 0.2159



40.0430, 0.4632, 0.3873



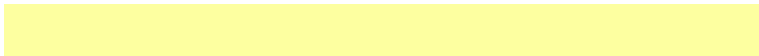
40.0430, 0.2310, 0.3834

Complementary

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



40.0430, 0.2454, 0.2159



94.9228, 0.3675, 0.4223

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.



40.0430, 0.2956, 0.4516



40.0430, 0.2454, 0.2159



40.0430, 0.4308, 0.4393

Square

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



40.0430, 0.2454, 0.2159



40.0430, 0.4506, 0.3309



40.0430, 0.3688, 0.4693



40.0430, 0.1912, 0.3027

Rectangle

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



40.0430, 0.2454, 0.2159



40.0430, 0.3681, 0.2635



40.0430, 0.3688, 0.4693



40.0430, 0.2504, 0.4099

Sweetspot

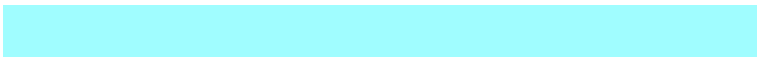
The Sweet Spot groups the original color and five complimentary colors.



40.0445, 0.2454, 0.2159



78.5484, 0.2957, 0.3003



85.1892, 0.2603, 0.3271



16.2949, 0.2934, 0.2964



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.



40.0445, 0.2454, 0.2159



31.8561, 0.2288, 0.1882



45.9310, 0.2800, 0.2259



17.3957, 0.2982, 0.3044



3.7982, 0.1506, 0.0603



0.3759, 0.1521, 0.0611

Inverse Universe

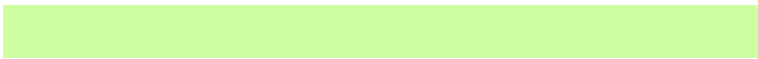
The Inverse Universe completely reimagines the original color for something new.



53.4929, 0.3186, 0.2383



47.1569, 0.3199, 0.2208



87.1490, 0.3356, 0.4331



18.2935, 0.3141, 0.3061



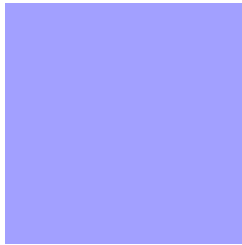
14.7087, 0.3262, 0.1570



1.4341, 0.3255, 0.1567

Previews

White Background



This preview shows how the Yxy color 40.0430, 0.2454, 0.2159 looks on a white background.

Color Contrast Check

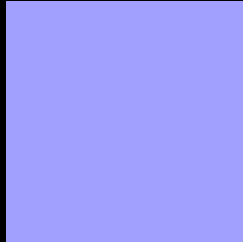
Large Text (above 18pt) WCAG AA × Fail

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 40.0430, 0.2454, 0.2159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

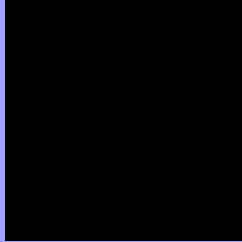
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0430, 0.2454, 0.2159

Background



This preview shows how black text looks on a background with the Yxy color 40.0430, 0.2454, 0.2159.



This preview shows how white text looks on a background with the Yxy color 40.0430, 0.2454, 0.2159.

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

40.0430, 0.2454, 0.2159

Protanopia

40.3464, 0.2323, 0.2205

Deuteranopia

40.3733, 0.2297, 0.2239



Tritanopia

40.1060, 0.2793, 0.3091

Trichromacy



Original Color

40.0430, 0.2454, 0.2159

Protanomaly

39.9740, 0.2365, 0.2180

Deuteranomaly

40.2678, 0.2349, 0.2208

Tritanomaly

39.8048, 0.2659, 0.2713

Monochromacy



Original Color

40.0430, 0.2454, 0.2159

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.2265, 0.2854, 0.2826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0430, 0.2454, 0.2159 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(162, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 160, 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(162, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 160, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.0430, 0.2454, 0.2159 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(162, 160, 255) }
```

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

```
.border{ border-color:rgb(162, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 160, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 160, 255); box-shadow:4px 4px 4px 4px rgb(162, 160, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0430, 0.2454, 0.2159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 160, 255) }
```

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

```
.background{ background-color: rgb(162,  
160, 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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