

Converting Colors

$Y_{xy}(40.4964, 0.2445, 0.2177)$

Have a look what the booklet for
Yxy(40.4964, 0.2445, 0.2177)
contains.

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Color

Yxy(40.5342, 0.2444, 0.2179)

Conversions

Conversions Part 1

Format	Color
Hex	A0A2FF
RGB	160, 162, 255
RGB Percent	63%, 64%, 100%
CMY	0.3726, 0.3647, 0.0000
CMYK	0.37, 0.36, 0.00, 0.00
HSL	239°, 100%, 81%
HSV	239°, 37%, 100%
XYZ	45.4638, 40.5342, 100.0240
YIQ	172.0040, -31.0450, 28.4990

Conversions

Conversions Part 2

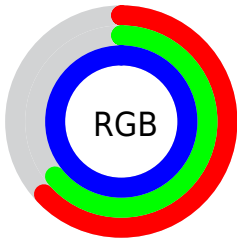
Format	Color
R _Y B	160, 162, 255
Decimal	10527487
CIE Lab	69.85, 21.00, -46.41
CIE LCh	70, 50.936, 294.344
Yxy	40.5342, 0.2444, 0.2179
Android (android.graphics.Color)	4288717567 (0xFFA0A2FF)
YUV	172.0040, 40.9170, -10.5275
Hunter-Lab	63.6665, 16.0493, -48.5818

Details

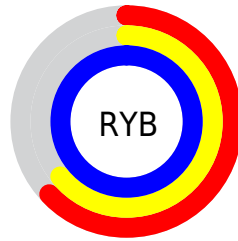
The Yxy color **40.5342, 0.2444, 0.2179** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **94.0263, 0.3696, 0.4202**, and the grayscale version is **41.0583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5974, 0.2885, 0.2890**, and **18.3892, 0.2253, 0.1919** is the 20% darker color. If you saturate the color by 10%, you get **30.2342, 0.2228, 0.1825**, and if you desaturate by 10%, it is **53.1207, 0.2652, 0.2518**.

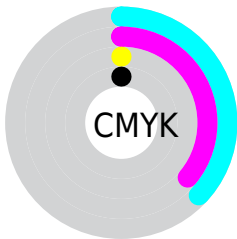
Distribution



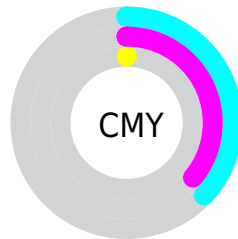
- Red (63%)
- Green (64%)
- Blue (100%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5342, 0.2444, 0.2179 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 40.5342, 0.2444, 0.2179 by changing the saturation by 10% instead.


 40.5342, 0.2444,
0.2179

 40.5342, 0.2444,
0.2179


348.3700, 0.2788,
0.2702

 27.9553, 0.2360,
0.2060

 75.9763, 0.2568,
0.2360

 18.2920, 0.2255,
0.1915


 99.6083, 0.2615,
0.2431

 11.1598, 0.2119,
0.1735


127.6934, 0.2654,
0.2492

 6.1744, 0.1938,
0.1506

160.6161, 0.2689,
0.2545

 2.9514, 0.1691,
0.1214

198.7607, 0.2718,
0.2592

 1.1064, 0.1346,
0.0843

242.5116, 0.2744,

 0.0000, 0.0834,

0.2633

0.0000

292.2533, 0.2767,
0.2669

0.0000, 0.0000,
0.0000

40.5342, 0.2444,
0.2179

40.5342, 0.2444,
0.2179

30.2342, 0.2228,
0.1825

53.1207, 0.2652,
0.2518

22.0793, 0.2017,
0.1477

68.1149, 0.2843,
0.2830

15.9196, 0.1826,
0.1159

85.6345, 0.3015,
0.3109

11.5836, 0.1671,
0.0899

99.9992, 0.3127,
0.3290

8.8714, 0.1565,
0.0718

■ 7.5338, 0.1511,
0.0623

■ 7.3368, 0.1503,
0.0609

Harmonies

Analogous

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



40.5342, 0.2007, 0.2199



40.5342, 0.2444, 0.2179



40.5342, 0.3117, 0.2386

Triad

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



40.5342, 0.2444, 0.2179



40.5342, 0.4599, 0.3839



40.5342, 0.2356, 0.3857

Complementary

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



40.5342, 0.2444, 0.2179



94.0263, 0.3696, 0.4202

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.



40.5342, 0.2997, 0.4500



40.5342, 0.2444, 0.2179



40.5342, 0.4304, 0.4349

Square

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



40.5342, 0.2444, 0.2179



40.5342, 0.4452, 0.3286



40.5342, 0.3710, 0.4651



40.5342, 0.1952, 0.3070

Rectangle

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



40.5342, 0.2444, 0.2179



40.5342, 0.3632, 0.2630



40.5342, 0.3710, 0.4651



40.5342, 0.2550, 0.4110

Sweetspot

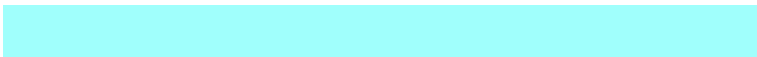
The Sweet Spot groups the original color and five complimentary colors.



40.5357, 0.2444, 0.2179



78.7801, 0.2953, 0.3009



86.0015, 0.2620, 0.3323



16.3495, 0.2930, 0.2971



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.



40.5357, 0.2444, 0.2179



32.3686, 0.2277, 0.1906



45.2406, 0.2763, 0.2248



17.4395, 0.2978, 0.3049



3.8608, 0.1504, 0.0613



0.3967, 0.1512, 0.0643

Inverse Universe

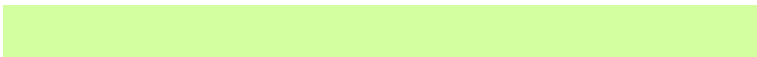
The Inverse Universe completely reimagines the original color for something new.



49.0050, 0.4027, 0.3271



42.0630, 0.4319, 0.3268



87.8478, 0.3388, 0.4321



17.9933, 0.3291, 0.3285



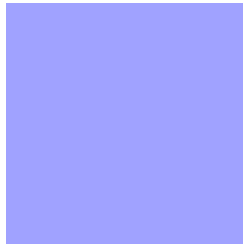
11.1177, 0.6379, 0.3288



1.0846, 0.6328, 0.3260

Previews

White Background



This preview shows how the Yxy color 40.5342, 0.2444, 0.2179 looks on a white background.

Color Contrast Check

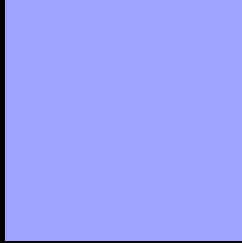
Large Text (above 18pt) WCAG AA × Fail

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 40.5342, 0.2444, 0.2179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

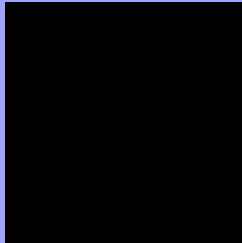
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5342, 0.2444, 0.2179

Background



This preview shows how black text looks on a background with the Yxy color 40.5342, 0.2444, 0.2179.



This preview shows how white text looks on a background with the Yxy color 40.5342, 0.2444, 0.2179.

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

40.5342, 0.2444, 0.2179

Protanopia

40.8007, 0.2331, 0.2219

Deuteranopia

40.5361, 0.2309, 0.2242



Tritanopia

40.3538, 0.2772, 0.3091

Trichromacy



Original Color

40.5342, 0.2444, 0.2179

Protanomaly

40.6955, 0.2369, 0.2205

Deuteranomaly

40.2678, 0.2349, 0.2208

Tritanomaly

40.0376, 0.2639, 0.2712

Monochromacy



Original Color

40.5342, 0.2444, 0.2179

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

40.5944, 0.2855, 0.2839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5342, 0.2444, 0.2179 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(160, 162, 255)` looks like.

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

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

Border

The CSS property to change the border of an element to Yxy 40.5342, 0.2444, 0.2179 is called "border". The border property can be set on classes, ids or directly on the HTML element.

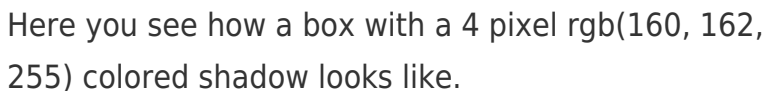
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(160, 162, 255) }
```

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

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

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



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

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


Background

The CSS property to change the background color of an element to Yxy 40.5342, 0.2444, 0.2179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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