

Converting Colors

$Y_{xy}(40.7334, 0.2449, 0.2185)$

Have a look what the booklet for
Yxy(40.7334, 0.2449, 0.2185)
contains.

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Color

Yxy(40.6377, 0.2451, 0.2181)

Conversions

Conversions Part 1

Format	Color
Hex	A1A2FF
RGB	161, 162, 255
RGB Percent	63%, 64%, 100%
CMY	0.3685, 0.3647, 0.0001
CMYK	0.37, 0.36, 0.00, 0.00
HSL	239°, 100%, 82%
HSV	239°, 37%, 100%
XYZ	45.6685, 40.6377, 100.0198
YIQ	172.3030, -30.4490, 28.7110

Conversions

Conversions Part 2

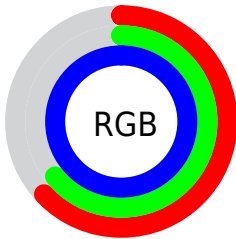
Format	Color
RYB	161, 162, 255
Decimal	10593023
CIELab	69.92, 21.27, -46.28
CIElCh	70, 50.932, 294.681
Yxy	40.6377, 0.2451, 0.2181
Android (android.graphics.Color)	4288783103 (0xFFA1A2FF)
YUV	172.3030, 40.7696, -9.9127
Hunter-Lab	63.7477, 16.3179, -48.4023

Details

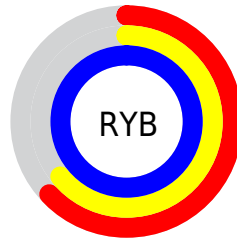
The Yxy color **40.6377, 0.2451, 0.2181** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **94.7140, 0.3686, 0.4201**, and the grayscale version is **41.2204, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7511, 0.2892, 0.2891**, and **18.4494, 0.2261, 0.1922** is the 20% darker color. If you saturate the color by 10%, you get **30.2384, 0.2235, 0.1824**, and if you desaturate by 10%, it is **53.3637, 0.2659, 0.2523**.

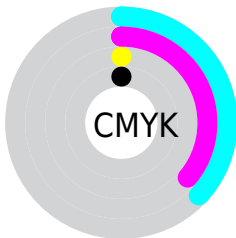
Distribution



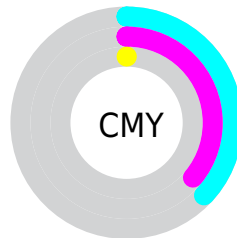
- Red (63%)
- Green (64%)
- Blue (100%)



- 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 40.6377, 0.2451, 0.2181 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 40.6377, 0.2451, 0.2181 by changing the saturation by 10% instead.


 40.6377, 0.2451,
0.2181

 40.6377, 0.2451,
0.2181


348.8041, 0.2791,
0.2703

 28.0361, 0.2368,
0.2063


 76.1336, 0.2574,
0.2362

 18.3529, 0.2264,
0.1918


 99.7967, 0.2620,
0.2433

 11.2036, 0.2129,
0.1738


127.9157, 0.2659,
0.2493

 6.2040, 0.1949,
0.1510

160.8751, 0.2693,
0.2546

 2.9695, 0.1704,
0.1219

199.0593, 0.2723,
0.2593

 1.1158, 0.1360,
0.0848

242.8526, 0.2748,

 0.0000, 0.0856,

0.2634

0.0000

292.6394, 0.2771,
0.2670

■ 0.0000, 0.0000,
0.0000

■ 40.6377, 0.2451,
0.2181

■ 40.6377, 0.2451,
0.2181

■ 30.2384, 0.2235,
0.1824

■ 53.3637, 0.2659,
0.2523

■ 22.0209, 0.2022,
0.1473

■ 68.5405, 0.2850,
0.2837

■ 15.8312, 0.1829,
0.1153

■ 86.2888, 0.3022,
0.3118

■ 11.4936, 0.1673,
0.0893

■ 99.9982, 0.3127,
0.3290

■ 8.8020, 0.1566,
0.0713

■ 7.5003, 0.1511,
0.0621

■ 7.2753, 0.1501,
0.0604

Harmonies

Analogous

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



40.6377, 0.2011, 0.2199



40.6377, 0.2451, 0.2181



40.6377, 0.3126, 0.2390

Triad

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



40.6377, 0.2451, 0.2181



40.6377, 0.4597, 0.3844



40.6377, 0.2351, 0.3848

Complementary

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



40.6377, 0.2451, 0.2181



94.7140, 0.3686, 0.4201

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.



40.6377, 0.2989, 0.4494



40.6377, 0.2451, 0.2181



40.6377, 0.4298, 0.4353

Square

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



40.6377, 0.2451, 0.2181



40.6377, 0.4455, 0.3293



40.6377, 0.3702, 0.4651



40.6377, 0.1950, 0.3063

Rectangle

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



40.6377, 0.2451, 0.2181



40.6377, 0.3640, 0.2636



40.6377, 0.3702, 0.4651



40.6377, 0.2543, 0.4101

Sweetspot

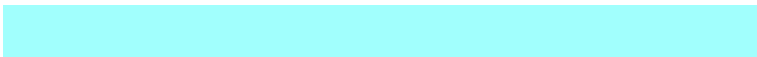
The Sweet Spot groups the original color and five complimentary colors.



40.6392, 0.2451, 0.2181



78.6120, 0.2953, 0.3005



86.1999, 0.2617, 0.3306



16.3099, 0.2930, 0.2967



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.



40.6392, 0.2451, 0.2181



32.9755, 0.2296, 0.1926



45.9030, 0.2780, 0.2264



17.4078, 0.2978, 0.3047



3.8154, 0.1502, 0.0606



0.3816, 0.1506, 0.0621

Inverse Universe

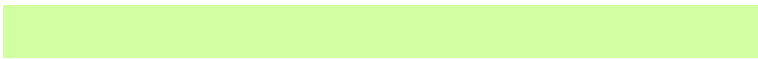
The Inverse Universe completely reimagines the original color for something new.



49.3638, 0.4023, 0.3282



42.8572, 0.4293, 0.3281



87.7143, 0.3375, 0.4312



17.9901, 0.3293, 0.3288



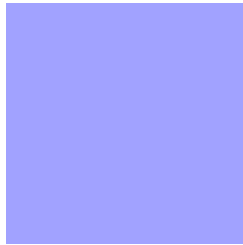
11.1131, 0.6390, 0.3294



1.0831, 0.6365, 0.3280

Previews

White Background



This preview shows how the Yxy color 40.6377, 0.2451, 0.2181 looks on a white background.

Color Contrast Check

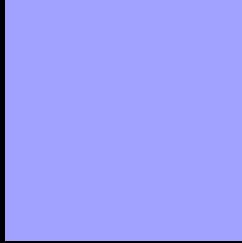
Large Text (above 18pt) WCAG AA × Fail

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 40.6377, 0.2451, 0.2181 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 40.6377, 0.2451, 0.2181

Background



This preview shows how black text looks on a background with the Yxy color 40.6377, 0.2451, 0.2181.



This preview shows how white text looks on a background with the Yxy color 40.6377, 0.2451, 0.2181.

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

40.6377, 0.2451, 0.2181

Protanopia

40.8880, 0.2337, 0.2220

Deuteranopia

40.9096, 0.2311, 0.2254



Tritanopia

40.4451, 0.2780, 0.3091

Trichromacy



Original Color

40.6377, 0.2451, 0.2181

Protanomaly

40.7883, 0.2375, 0.2207

Deuteranomaly

40.7225, 0.2358, 0.2222

Tritanomaly

40.1329, 0.2647, 0.2713

Monochromacy



Original Color

40.6377, 0.2451, 0.2181

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 40.6377, 0.2451, 0.2181 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(161, 162, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 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(161, 162, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 162, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.6377, 0.2451, 0.2181 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(161, 162, 255) }
```

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

```
.border{ border-color:rgb(161, 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(161, 162, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 162, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 162, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 162,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6377, 0.2451, 0.2181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 162, 255) }
```

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

```
.background{ background-color: rgb(161,  
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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