

Converting Colors

$Y_{xy}(41.3993, 0.2329, 0.1982)$

Have a look what the booklet for
Yxy(41.3993, 0.2329, 0.1982)
contains.

Yxy(40.0807, 0.2436, 0.2165)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.0807, 0.2436, 0.2165)

Conversions

Conversions Part 1

Format	Color
Hex	9FA1FF
RGB	159, 161, 255
RGB Percent	62%, 63%, 100%
CMY	0.3763, 0.3687, 0.0001
CMYK	0.38, 0.37, 0.00, 0.00
HSL	239°, 100%, 81%
HSV	239°, 38%, 100%
XYZ	45.0977, 40.0807, 99.9518
YIQ	171.1180, -31.3660, 28.8100

Conversions

Conversions Part 2

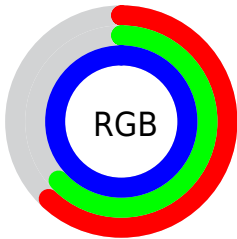
Format	Color
R _Y B	159, 161, 255
Decimal	10461695
CIE Lab	69.53, 21.33, -46.91
CIE LCh	70, 51.536, 294.448
Yxy	40.0807, 0.2436, 0.2165
Android (android.graphics.Color)	4288651775 (0xFF9FA1FF)
YUV	171.1180, 41.3538, -10.6275
Hunter-Lab	63.3093, 16.3613, -49.2897

Details

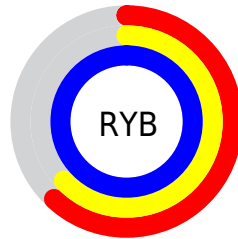
The Yxy color **40.0807, 0.2436, 0.2165** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **94.0395, 0.3701, 0.4211**, and the grayscale version is **40.5917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9307, 0.2878, 0.2878**, and **18.1126, 0.2242, 0.1901** is the 20% darker color. If you saturate the color by 10%, you get **29.8616, 0.2220, 0.1811**, and if you desaturate by 10%, it is **52.5846, 0.2644, 0.2505**.

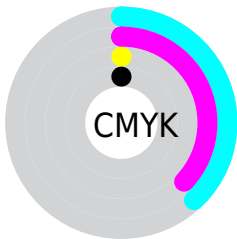
Distribution



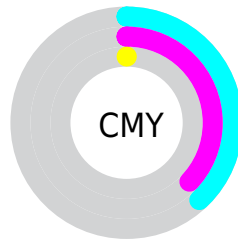
- Red (62%)
- Green (63%)
- Blue (100%)



- Red (62%)
- Yellow (63%)
- Blue (100%)



- Cyan (38%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0807, 0.2436, 0.2165 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 40.0807, 0.2436, 0.2165 by changing the saturation by 10% instead.


 40.0807, 0.2436,
0.2165


 40.0807, 0.2436,
0.2165

346.4636, 0.2784,
0.2695

 27.6015, 0.2351,
0.2045


 75.2864, 0.2561,
0.2349

 18.0255, 0.2244,
0.1898


 98.7816, 0.2609,
0.2420

 10.9683, 0.2106,
0.1715

126.7177, 0.2649,
0.2482

 6.0455, 0.1923,
0.1485

159.4789, 0.2684,
0.2536

 2.8728, 0.1673,
0.1190

197.4497, 0.2714,
0.2583

 1.0657, 0.1324,
0.0818

241.0145, 0.2740,

 0.0000, 0.0796,

0.2624

0.0000

290.5577, 0.2763,
0.2662

0.0000, 0.0000,
0.0000

40.0807, 0.2436,
0.2165

40.0807, 0.2436,
0.2165

29.8616, 0.2220,
0.1811

52.5846, 0.2644,
0.2505

21.7853, 0.2009,
0.1463

67.4952, 0.2837,
0.2819

15.7004, 0.1819,
0.1147

84.9309, 0.3009,
0.3099

11.4345, 0.1666,
0.0890

99.9989, 0.3127,
0.3290

8.7855, 0.1562,
0.0712

■ 7.4996, 0.1510,
0.0621

■ 7.3308, 0.1502,
0.0608

Harmonies

Analogous

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



40.0807, 0.1993, 0.2184



40.0807, 0.2436, 0.2165



40.0807, 0.3119, 0.2375

Triad

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



40.0807, 0.2436, 0.2165



40.0807, 0.4620, 0.3845



40.0807, 0.2343, 0.3863

Complementary

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



40.0807, 0.2436, 0.2165



94.0395, 0.3701, 0.4211

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.



40.0807, 0.2991, 0.4520



40.0807, 0.2436, 0.2165



40.0807, 0.4318, 0.4364

Square

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



40.0807, 0.2436, 0.2165



40.0807, 0.4474, 0.3286



40.0807, 0.3714, 0.4673



40.0807, 0.1935, 0.3063

Rectangle

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



40.0807, 0.2436, 0.2165



40.0807, 0.3642, 0.2623



40.0807, 0.3714, 0.4673



40.0807, 0.2538, 0.4121

Sweetspot

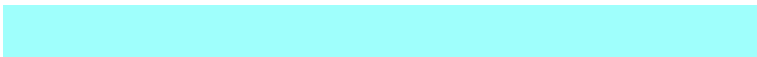
The Sweet Spot groups the original color and five complimentary colors.



40.0822, 0.2436, 0.2165



78.7643, 0.2953, 0.3008



85.8999, 0.2616, 0.3324



16.3458, 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.



40.0822, 0.2436, 0.2165



32.3333, 0.2277, 0.1904



44.8452, 0.2759, 0.2237



17.4365, 0.2978, 0.3049



3.8566, 0.1503, 0.0612



0.3953, 0.1512, 0.0641

Inverse Universe

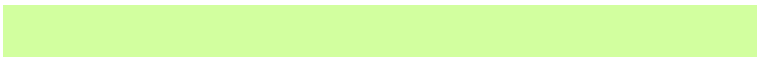
The Inverse Universe completely reimagines the original color for something new.



48.6440, 0.4041, 0.3272



42.0595, 0.4320, 0.3269



87.7472, 0.3390, 0.4332



17.9930, 0.3291, 0.3286



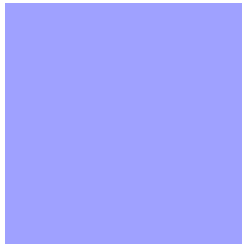
11.1173, 0.6380, 0.3288



1.0845, 0.6331, 0.3261

Previews

White Background



This preview shows how the Yxy color 40.0807, 0.2436, 0.2165 looks on a white background.

Color Contrast Check

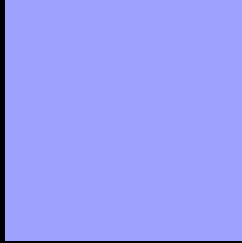
Large Text (above 18pt) WCAG AA × Fail

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 40.0807, 0.2436, 0.2165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

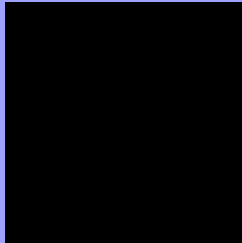
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0807, 0.2436, 0.2165

Background



This preview shows how black text looks on a background with the Yxy color 40.0807, 0.2436, 0.2165.



This preview shows how white text looks on a background with the Yxy color 40.0807, 0.2436, 0.2165.

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

40.0807, 0.2436, 0.2165

Protanopia

40.3464, 0.2323, 0.2205

Deuteranopia

40.3733, 0.2297, 0.2239



Tritanopia

40.1737, 0.2757, 0.3090

Trichromacy



Original Color

40.0807, 0.2436, 0.2165

Protanomaly

40.2413, 0.2360, 0.2191

Deuteranomaly

40.1790, 0.2343, 0.2206

Tritanomaly

39.9431, 0.2632, 0.2711

Monochromacy



Original Color

40.0807, 0.2436, 0.2165

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.1172, 0.2846, 0.2825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0807, 0.2436, 0.2165 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(159, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 161, 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(159, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 161, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.0807, 0.2436, 0.2165 is called "border". The border property can be set on classes, ids or directly on the HTML element.

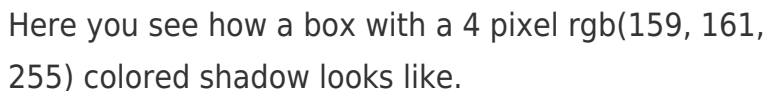
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 161, 255) }
```

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

```
.border{ border-color:rgb(159, 161, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 161, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 161, 255); box-shadow:4px 4px 4px 4px rgb(159, 161, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0807, 0.2436, 0.2165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 161, 255) }
```

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

```
.background{ background-color: rgb(159,  
161, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor