

Converting Colors

$Y_{xy}(41.9674, 0.2440, 0.2230)$

Have a look what the booklet for
Yxy(41.9674, 0.2440, 0.2230)
contains.

Yxy(42.1265, 0.2440, 0.2236)	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(42.1265, 0.2440, 0.2236)

Conversions

Conversions Part 1

Format	Color
Hex	9EA7FF
RGB	158, 167, 255
RGB Percent	62%, 65%, 100%
CMY	0.3803, 0.3451, 0.0000
CMYK	0.38, 0.35, 0.00, 0.00
HSL	234°, 100%, 81%
HSV	234°, 38%, 100%
XYZ	45.9699, 42.1265, 100.3048
YIQ	174.3410, -33.6120, 25.4600

Conversions

Conversions Part 2

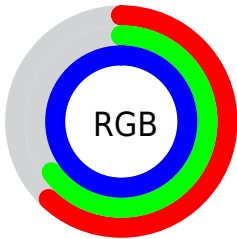
Format	Color
RYB	158, 166, 255
Decimal	10397695
CIELab	70.96, 17.66, -44.68
CIELCh	71, 48.039, 291.567
Yxy	42.1265, 0.2440, 0.2236
Android (android.graphics.Color)	4288587775 (0xFF9EA7FF)
YUV	174.3410, 39.7649, -14.3311
Hunter-Lab	64.9049, 12.8417, -46.1940

Details

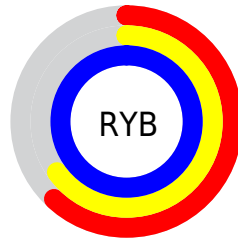
The Yxy color **42.1265, 0.2440, 0.2236** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **89.6429, 0.3730, 0.4161**, and the grayscale version is **42.3188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.9096, 0.2874, 0.2943**, and **19.1635, 0.2249, 0.1977** is the 20% darker color. If you saturate the color by 10%, you get **32.0721, 0.2232, 0.1904**, and if you desaturate by 10%, it is **54.2370, 0.2642, 0.2552**.

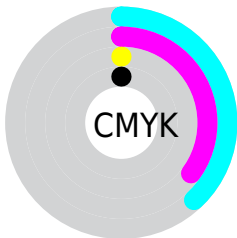
Distribution



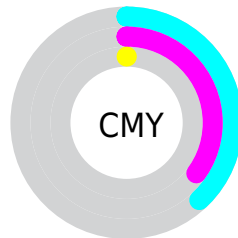
- Red (62%)
- Green (65%)
- Blue (100%)



- Red (62%)
- Yellow (65%)
- Blue (100%)



- Cyan (38%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1265, 0.2440, 0.2236 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 42.1265, 0.2440, 0.2236 by changing the saturation by 10% instead.


 42.1265, 0.2440,
0.2236


 42.1265, 0.2440,
0.2236


355.0071, 0.2783,
0.2733

 29.2004, 0.2357,
0.2123


 78.3910, 0.2563,
0.2409

 19.2324, 0.2253,
0.1984


 102.4982, 0.2610,
0.2476

 11.8384, 0.2119,
0.1810


131.1012, 0.2649,
0.2534

 6.6337, 0.1942,
0.1590

164.5844, 0.2683,
0.2584

 3.2341, 0.1700,
0.1305

203.3322, 0.2713,
0.2628

 1.2551, 0.1362,
0.0938

247.7290, 0.2739,

 0.1061, 0.0867,

0.2667

0.0173

298.1591, 0.2762,
0.2702

0.0000, 0.0000,
0.0000

42.1265, 0.2440,
0.2236

42.1265, 0.2440,
0.2236

32.0721, 0.2232,
0.1904

54.2370, 0.2642,
0.2552

23.9547, 0.2028,
0.1571

68.5042, 0.2831,
0.2843

17.6504, 0.1843,
0.1260

85.0279, 0.3003,
0.3104

13.0188, 0.1690,
0.0993

99.9992, 0.3127,
0.3290

9.8984, 0.1582,
0.0791

■ 8.0906, 0.1521,
0.0664

■ 7.8567, 0.1513,
0.0647

Harmonies

Analogous

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



42.1265, 0.2048, 0.2281



42.1265, 0.2440, 0.2236



42.1265, 0.3056, 0.2413

Triad

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



42.1265, 0.2440, 0.2236



42.1265, 0.4508, 0.3768



42.1265, 0.2457, 0.3883

Complementary

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



42.1265, 0.2440, 0.2236



89.6429, 0.3730, 0.4161

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.



42.1265, 0.3074, 0.4442



42.1265, 0.2440, 0.2236



42.1265, 0.4273, 0.4252

Square

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



42.1265, 0.2440, 0.2236



42.1265, 0.4326, 0.3247



42.1265, 0.3740, 0.4547



42.1265, 0.2049, 0.3154

Rectangle

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



42.1265, 0.2440, 0.2236



42.1265, 0.3533, 0.2635



42.1265, 0.3740, 0.4547



42.1265, 0.2646, 0.4108

Sweetspot

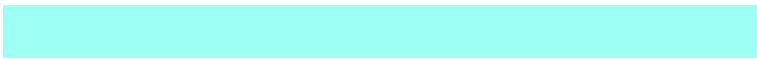
The Sweet Spot groups the original color and five complimentary colors.



42.1281, 0.2440, 0.2236



79.8850, 0.2954, 0.3029



85.3936, 0.2641, 0.3397



16.6101, 0.2931, 0.2995



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.



42.1281, 0.2440, 0.2236



33.9547, 0.2274, 0.1972



43.5242, 0.2704, 0.2210



17.6481, 0.2979, 0.3067



4.1959, 0.1517, 0.0660



0.4955, 0.1551, 0.0782

Inverse Universe

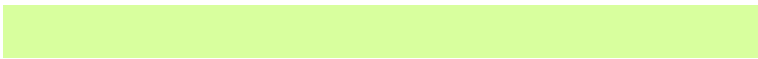
The Inverse Universe completely reimagines the original color for something new.



48.5084, 0.3985, 0.3198



41.5070, 0.4266, 0.3180



88.6109, 0.3435, 0.4329



18.0144, 0.3280, 0.3268



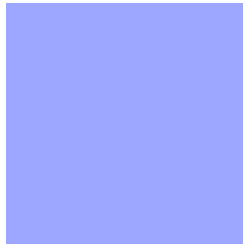
11.1515, 0.6299, 0.3244



1.0946, 0.6098, 0.3133

Previews

White Background



This preview shows how the Yxy color 42.1265, 0.2440, 0.2236 looks on a white background.

Color Contrast Check

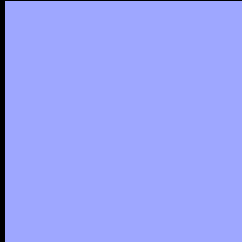
Large Text (above 18pt) WCAG AA × Fail

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 42.1265, 0.2440, 0.2236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

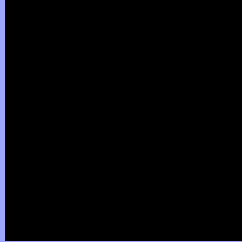
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1265, 0.2440, 0.2236

Background



This preview shows how black text looks on a background with the Yxy color 42.1265, 0.2440, 0.2236.



This preview shows how white text looks on a background with the Yxy color 42.1265, 0.2440, 0.2236.

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

42.1265, 0.2440, 0.2236

Protanopia

42.3656, 0.2367, 0.2264

Deuteranopia

42.2363, 0.2345, 0.2279



Tritanopia

41.9749, 0.2727, 0.3079

Trichromacy



Original Color

42.1265, 0.2440, 0.2236

Protanomaly

42.4535, 0.2395, 0.2260

Deuteranomaly

42.1083, 0.2382, 0.2264

Tritanomaly

41.9137, 0.2614, 0.2743

Monochromacy



Original Color

42.1265, 0.2440, 0.2236

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.7624, 0.2849, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1265, 0.2440, 0.2236 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(158, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 167, 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(158, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 167, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.1265, 0.2440, 0.2236 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(158, 167, 255) }
```

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

```
.border{ border-color:rgb(158, 167, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 167,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1265, 0.2440, 0.2236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 167, 255) }
```

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

```
.background{ background-color: rgb(158,  
167, 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