

Converting Colors

$Y_{xy}(41.9974, 0.2333, 0.2260)$

Have a look what the booklet for
Yxy(41.9974, 0.2333, 0.2260)
contains.

Yxy(41.8348, 0.2332, 0.2255)	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(41.8348, 0.2332, 0.2255)

Conversions

Conversions Part 1

Format	Color
Hex	8BABFF
RGB	139, 171, 255
RGB Percent	55%, 67%, 100%
CMY	0.4549, 0.3294, 0.0000
CMYK	0.45, 0.33, 0.00, 0.00
HSL	223°, 100%, 77%
HSV	223°, 45%, 100%
XYZ	43.2633, 41.8348, 100.4221
YIQ	171.0080, -46.0360, 19.3400

Conversions

Conversions Part 2

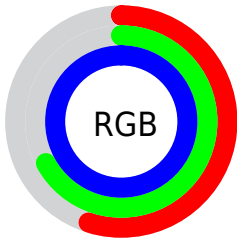
Format	Color
RYB	139, 164, 255
Decimal	9153535
CIELab	70.76, 10.67, -45.10
CIElCh	71, 46.343, 283.307
Yxy	41.8348, 0.2332, 0.2255
Android (android.graphics.Color)	4287343615 (0xFF8BABFF)
YUV	171.0080, 41.4081, -28.0710
Hunter-Lab	64.6798, 6.2061, -46.7779

Details

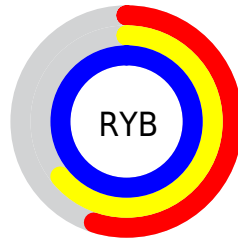
The Yxy color **41.8348, 0.2332, 0.2255** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **75.9027, 0.3940, 0.4137**, and the grayscale version is **40.5345, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.4830, 0.2765, 0.2976**, and **19.0202, 0.2119, 0.1997** is the 20% darker color. If you saturate the color by 10%, you get **33.3940, 0.2147, 0.1979**, and if you desaturate by 10%, it is **51.7620, 0.2520, 0.2520**.

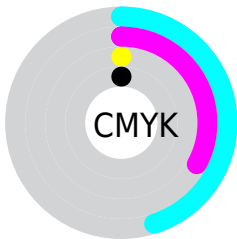
Distribution



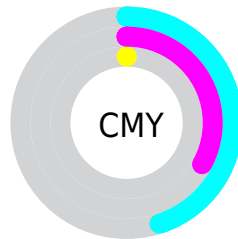
- Red (55%)
- Green (67%)
- Blue (100%)



- Red (55%)
- Yellow (64%)
- Blue (100%)



- Cyan (45%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)





- Cyan (45%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8348, 0.2332, 0.2255 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 41.8348, 0.2332, 0.2255 by changing the saturation by 10% instead.


 41.8348, 0.2332,
0.2255


 41.8348, 0.2332,
0.2255


353.7977, 0.2724,
0.2749

 28.9720, 0.2239,
0.2141

 77.9495, 0.2472,
0.2428

 19.0596, 0.2122,
0.2002


 101.9702, 0.2525,
0.2494

 11.7134, 0.1973,
0.1827

130.4790, 0.2570,
0.2552

 6.5488, 0.1778,
0.1603

163.8602, 0.2609,
0.2602

 3.1816, 0.1517,
0.1313

202.4983, 0.2644,
0.2645

 1.2272, 0.1163,
0.0938

246.7776, 0.2674,

 0.0838, 0.0573,

0.2684

0.0141

297.0826, 0.2700,
0.2718

0.0000, 0.0000,
0.0000

41.8348, 0.2332,
0.2255

41.8348, 0.2332,
0.2255

33.3940, 0.2147,
0.1979

51.7620, 0.2520,
0.2520

26.3633, 0.1974,
0.1700

63.2463, 0.2704,
0.2766

20.6591, 0.1822,
0.1433

76.3532, 0.2879,
0.2990

16.1874, 0.1701,
0.1192

91.1447, 0.3043,
0.3190

12.8386, 0.1615,
0.0989

100.0000, 0.3127,
0.3290

■ 11.6423, 0.1587,
0.0912

Harmonies

Analogous

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



41.8348, 0.2017, 0.2366



41.8348, 0.2332, 0.2255



41.8348, 0.2878, 0.2371

Triad

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



41.8348, 0.2332, 0.2255



41.8348, 0.4457, 0.3619



41.8348, 0.2630, 0.4042

Complementary

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



41.8348, 0.2332, 0.2255



75.9027, 0.3940, 0.4137

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.



41.8348, 0.3259, 0.4476



41.8348, 0.2332, 0.2255



41.8348, 0.4336, 0.4108

Square

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



41.8348, 0.2332, 0.2255



41.8348, 0.4167, 0.3116



41.8348, 0.3886, 0.4459



41.8348, 0.2165, 0.3350

Rectangle

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



41.8348, 0.2332, 0.2255



41.8348, 0.3329, 0.2556



41.8348, 0.3886, 0.4459



41.8348, 0.2829, 0.4232

Sweetspot

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



41.8348, 0.2332, 0.2255



78.4466, 0.2905, 0.3021



82.2905, 0.2663, 0.3676



16.1439, 0.2868, 0.2976



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.



41.8348, 0.2332, 0.2255



33.7728, 0.2156, 0.1992



33.5937, 0.2435, 0.1919



18.1931, 0.2979, 0.3113



6.2962, 0.1594, 0.0939



0.7866, 0.1654, 0.1153

Inverse Universe

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



42.6668, 0.4010, 0.2959



35.7788, 0.4308, 0.2901



90.1853, 0.3629, 0.4483



18.0694, 0.3251, 0.3225



11.3636, 0.5852, 0.2997



1.1239, 0.5533, 0.2822

Previews

White Background



This preview shows how the Yxy color 41.8348, 0.2332, 0.2255 looks on a white background.

Color Contrast Check

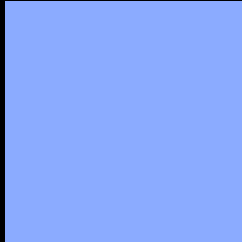
Large Text (above 18pt) WCAG AA × Fail

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 41.8348, 0.2332, 0.2255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

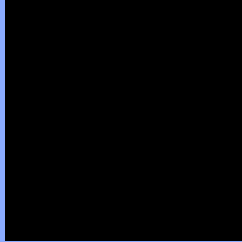
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

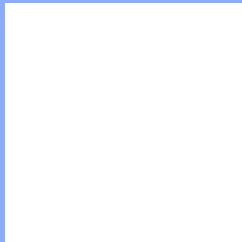
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8348, 0.2332, 0.2255

Background



This preview shows how black text looks on a background with the Yxy color 41.8348, 0.2332, 0.2255.



This preview shows how white text looks on a background with the Yxy color 41.8348, 0.2332, 0.2255.

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

41.8348, 0.2332, 0.2255

Protanopia

41.8345, 0.2364, 0.2260

Deuteranopia

42.0434, 0.2323, 0.2265



Tritanopia

41.6981, 0.2577, 0.3073

Trichromacy



Original Color

41.8348, 0.2332, 0.2255

Protanomaly

41.6560, 0.2352, 0.2257

Deuteranomaly

42.1283, 0.2329, 0.2267

Tritanomaly

41.5699, 0.2483, 0.2743

Monochromacy



Original Color

41.8348, 0.2332, 0.2255

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.7610, 0.2784, 0.2872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8348, 0.2332, 0.2255 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(139, 171, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 171, 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(139, 171, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 171, 255) }
```

Border

The CSS property to change the border of an element to Yxy 41.8348, 0.2332, 0.2255 is called "border". The border property can be set on classes, ids or directly on the HTML element.

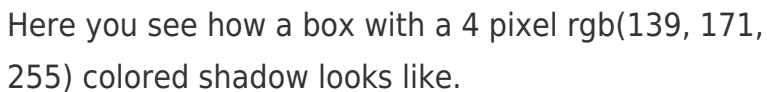
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(139, 171, 255) }
```

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

```
.border{ border-color:rgb(139, 171, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(139, 171, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 171, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 171, 255); box-shadow:4px 4px 4px 4px rgb(139, 171, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8348, 0.2332, 0.2255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 171, 255) }
```

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

```
.background{ background-color: rgb(139,  
171, 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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