

Converting Colors

$Y_{xy}(42.0800, 0.2393, 0.2247)$

Have a look what the booklet for
Yxy(42.0800, 0.2393, 0.2247)
contains.

Yxy(42.0800, 0.2393, 0.2247)	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(42.0800, 0.2393, 0.2247)

Conversions

Conversions Part 1

Format	Color
Hex	96A9FF
RGB	150, 169, 255
RGB Percent	59%, 66%, 100%
CMY	0.4118, 0.3372, 0.0000
CMYK	0.41, 0.34, 0.00, 0.00
HSL	229°, 100%, 79%
HSV	229°, 41%, 100%
XYZ	44.8142, 42.0800, 100.3777
YIQ	173.1230, -38.9300, 22.7180

Conversions

Conversions Part 2

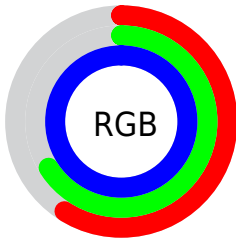
Format	Color
R_{YB}	150, 166, 255
Decimal	9873919
CIE _{Lab}	70.93, 14.48, -44.78
CIE _{LCh}	71, 47.061, 287.919
Yxy	42.0800, 0.2393, 0.2247
Android (android.graphics.Color)	4288063999 (0xFF96A9FF)
YUV	173.1230, 40.3654, -20.2789
Hunter-Lab	64.8691, 9.7940, -46.3363

Details

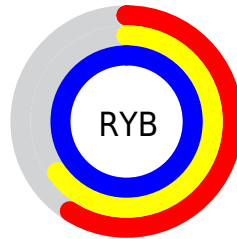
The Yxy color **42.0800, 0.2393, 0.2247** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **83.4388, 0.3816, 0.4150**, and the grayscale version is **41.6592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7967, 0.2825, 0.2959**, and **19.1795, 0.2197, 0.1990** is the 20% darker color. If you saturate the color by 10%, you get **32.7604, 0.2195, 0.1941**, and if you desaturate by 10%, it is **53.1680, 0.2590, 0.2539**.

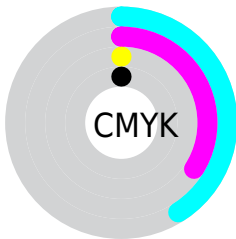
Distribution



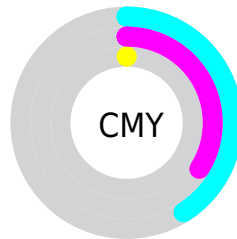
- Red (59%)
- Green (66%)
- Blue (100%)



- Red (59%)
- Yellow (65%)
- Blue (100%)



- Cyan (41%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)





- Cyan (41%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0800, 0.2393, 0.2247 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 42.0800, 0.2393, 0.2247 by changing the saturation by 10% instead.


 42.0800, 0.2393,
0.2247


 42.0800, 0.2393,
0.2247


354.8145, 0.2757,
0.2741

 29.1639, 0.2306,
0.2134


 78.3207, 0.2523,
0.2419

 19.2049, 0.2196,
0.1995


 102.4141, 0.2573,
0.2486

 11.8184, 0.2056,
0.1821


131.0021, 0.2615,
0.2544

 6.6201, 0.1871,
0.1600

164.4691, 0.2651,
0.2594

 3.2257, 0.1621,
0.1313

203.1994, 0.2683,
0.2637

 1.2507, 0.1275,
0.0943

247.5775, 0.2711,

 0.1025, 0.0744,

0.2676

0.0169

297.9877, 0.2735,
0.2711

0.0000, 0.0000,
0.0000

42.0800, 0.2393,
0.2247

42.0800, 0.2393,
0.2247

32.7604, 0.2195,
0.1941

53.1680, 0.2590,
0.2539

25.1138, 0.2004,
0.1633

66.1084, 0.2777,
0.2808

19.0387, 0.1833,
0.1341

80.9825, 0.2951,
0.3051

14.4214, 0.1694,
0.1083

97.8660, 0.3109,
0.3266

11.1313, 0.1594,
0.0876

100.0000, 0.3127,
0.3290

■ 9.1891, 0.1540,
0.0743

Harmonies

Analogous

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



42.0800, 0.2036, 0.2321



42.0800, 0.2393, 0.2247



42.0800, 0.2976, 0.2396

Triad

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



42.0800, 0.2393, 0.2247



42.0800, 0.4482, 0.3700



42.0800, 0.2536, 0.3953

Complementary

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



42.0800, 0.2393, 0.2247



83.4388, 0.3816, 0.4150

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.



42.0800, 0.3157, 0.4455



42.0800, 0.2393, 0.2247



42.0800, 0.4299, 0.4185

Square

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



42.0800, 0.2393, 0.2247



42.0800, 0.4252, 0.3188



42.0800, 0.3804, 0.4505



42.0800, 0.2103, 0.3242

Rectangle

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



42.0800, 0.2393, 0.2247



42.0800, 0.3440, 0.2601



42.0800, 0.3804, 0.4505



42.0800, 0.2729, 0.4162

Sweetspot

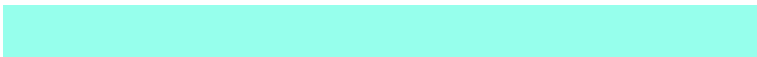
The Sweet Spot groups the original color and five complimentary colors.



42.0807, 0.2393, 0.2247



79.6933, 0.2937, 0.3032



84.0438, 0.2648, 0.3509



16.6222, 0.2915, 0.3002



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.



42.0807, 0.2393, 0.2247



34.6491, 0.2238, 0.2008



39.1237, 0.2592, 0.2089



17.9098, 0.2979, 0.3089



4.9539, 0.1546, 0.0764



0.6194, 0.1597, 0.0947

Inverse Universe

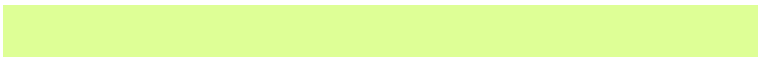
The Inverse Universe completely reimagines the original color for something new.



45.9320, 0.3993, 0.3093



39.5281, 0.4253, 0.3059



89.2107, 0.3516, 0.4398



18.0408, 0.3266, 0.3247



11.2281, 0.6128, 0.3149



1.1071, 0.5839, 0.2990

Previews

White Background



This preview shows how the Yxy color 42.0800, 0.2393, 0.2247 looks on a white background.

Color Contrast Check

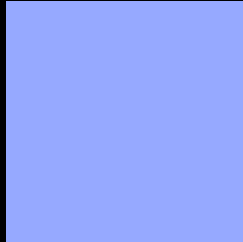
Large Text (above 18pt) WCAG AA × Fail

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 42.0800, 0.2393, 0.2247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

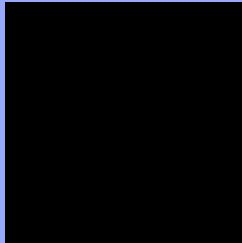
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.0800, 0.2393, 0.2247

Background



This preview shows how black text looks on a background with the Yxy color 42.0800, 0.2393, 0.2247.



This preview shows how white text looks on a background with the Yxy color 42.0800, 0.2393, 0.2247.

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

42.0800, 0.2393, 0.2247

Protanopia

41.9892, 0.2365, 0.2252

Deuteranopia

42.1498, 0.2339, 0.2278



Tritanopia

42.1388, 0.2667, 0.3090

Trichromacy



Original Color

42.0800, 0.2393, 0.2247

Protanomaly

42.1725, 0.2377, 0.2255

Deuteranomaly

42.1212, 0.2360, 0.2271

Tritanomaly

42.0295, 0.2557, 0.2751

Monochromacy



Original Color

42.0800, 0.2393, 0.2247

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.8162, 0.2826, 0.2878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0800, 0.2393, 0.2247 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(150, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 169, 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(150, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 169, 255) }
```

Border

The CSS property to change the border of an element to Yxy 42.0800, 0.2393, 0.2247 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(150, 169, 255) }
```

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

```
.border{ border-color:rgb(150, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 169,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0800, 0.2393, 0.2247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 169, 255) }
```

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

```
.background{ background-color: rgb(150,  
169, 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