

Converting Colors

$Y_{xy}(40.3714, 0.2344, 0.2200)$

Have a look what the booklet for
Yxy(40.3714, 0.2344, 0.2200)
contains.

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Color

Yxy(40.3321, 0.2344, 0.2198)

Conversions

Conversions Part 1

Format	Color
Hex	8FA6FF
RGB	143, 166, 255
RGB Percent	56%, 65%, 100%
CMY	0.4394, 0.3490, 0.0000
CMYK	0.44, 0.35, 0.00, 0.00
HSL	228°, 100%, 78%
HSV	228°, 44%, 100%
XYZ	43.0111, 40.3321, 100.1513
YIQ	169.2690, -42.2770, 22.8030

Conversions

Conversions Part 2

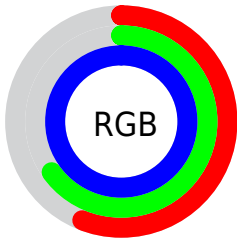
Format	Color
R_{YB}	143, 162, 255
Decimal	9414399
CIE _{Lab}	69.71, 14.45, -46.74
CIE _{LCh}	70, 48.919, 287.181
Yxy	40.3321, 0.2344, 0.2198
Android (android.graphics.Color)	4287604479 (0xFF8FA6FF)
YUV	169.2690, 42.2654, -23.0379
Hunter-Lab	63.5076, 9.7527, -49.0449

Details

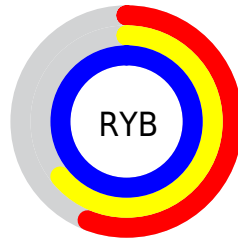
The Yxy color **40.3321, 0.2344, 0.2198** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **80.9226, 0.3876, 0.4180**, and the grayscale version is **39.6141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3504, 0.2785, 0.2923**, and **18.0903, 0.2133, 0.1925** is the 20% darker color. If you saturate the color by 10%, you get **31.5165, 0.2150, 0.1898**, and if you desaturate by 10%, it is **50.8232, 0.2539, 0.2486**.

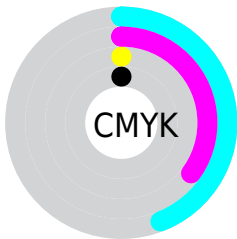
Distribution



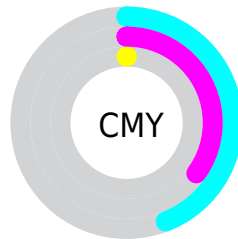
- Red (56%)
- Green (65%)
- Blue (100%)



- Red (56%)
- Yellow (64%)
- Blue (100%)



- Cyan (44%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (44%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3321, 0.2344, 0.2198 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 40.3321, 0.2344, 0.2198 by changing the saturation by 10% instead.


 40.3321, 0.2344,
0.2198


 40.3321, 0.2344,
0.2198


347.5213, 0.2733,
0.2717

 27.7976, 0.2251,
0.2079


 75.6690, 0.2483,
0.2379

 18.1731, 0.2133,
0.1933


 99.2401, 0.2536,
0.2449

 11.0744, 0.1984,
0.1751


127.2589, 0.2581,
0.2510

 6.1169, 0.1787,
0.1520

160.1097, 0.2620,
0.2562

 2.9163, 0.1522,
0.1224

198.1769, 0.2654,
0.2608

 1.0882, 0.1162,
0.0846

241.8450, 0.2684,

 0.0000, 0.0555,

0.2649

0.0000

291.4984, 0.2710,
0.2685

■ 0.0000, 0.0000,
0.0000

■ 40.3321, 0.2344,
0.2198

■ 40.3321, 0.2344,
0.2198

■ 31.5165, 0.2150,
0.1898

■ 50.8232, 0.2539,
0.2486

■ 24.2883, 0.1966,
0.1599

■ 63.0742, 0.2728,
0.2754

■ 18.5487, 0.1804,
0.1317

■ 77.1616, 0.2905,
0.2996

■ 14.1874, 0.1675,
0.1070

■ 93.1579, 0.3067,
0.3212

■ 11.0771, 0.1586,
0.0873

■ 100.0000, 0.3127,
0.3290

■ 9.7186, 0.1550,
0.0781

Harmonies

Analogous

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



40.3321, 0.1980, 0.2278



40.3321, 0.2344, 0.2198



40.3321, 0.2949, 0.2349

Triad

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



40.3321, 0.2344, 0.2198



40.3321, 0.4553, 0.3699



40.3321, 0.2517, 0.4010

Complementary

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



40.3321, 0.2344, 0.2198



80.9226, 0.3876, 0.4180

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.



40.3321, 0.3171, 0.4532



40.3321, 0.2344, 0.2198



40.3321, 0.4365, 0.4211

Square

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



40.3321, 0.2344, 0.2198



40.3321, 0.4302, 0.3166



40.3321, 0.3848, 0.4564



40.3321, 0.2061, 0.3253

Rectangle

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



40.3321, 0.2344, 0.2198



40.3321, 0.3437, 0.2559



40.3321, 0.3848, 0.4564



40.3321, 0.2721, 0.4230

Sweetspot

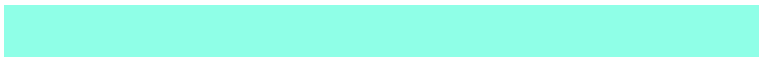
The Sweet Spot groups the original color and five complimentary colors.



40.3315, 0.2344, 0.2198



78.5830, 0.2921, 0.3018



83.1093, 0.2641, 0.3570



16.1114, 0.2883, 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.



40.3315, 0.2344, 0.2198



32.2761, 0.2168, 0.1927



35.9299, 0.2519, 0.1990



17.9831, 0.2979, 0.3095



5.2471, 0.1557, 0.0803



0.6582, 0.1610, 0.0996

Inverse Universe

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



43.6443, 0.4051, 0.3051



36.7843, 0.4358, 0.3010



89.2300, 0.3563, 0.4464



18.0482, 0.3262, 0.3241



11.2577, 0.6064, 0.3114



1.1110, 0.5764, 0.2949

Previews

White Background



This preview shows how the Yxy color 40.3321, 0.2344, 0.2198 looks on a white background.

Color Contrast Check

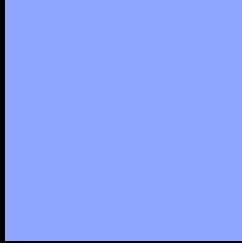
Large Text (above 18pt) WCAG AA × Fail

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 40.3321, 0.2344, 0.2198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

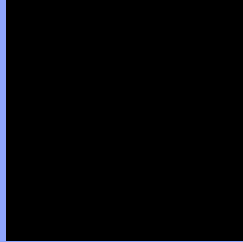
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3321, 0.2344, 0.2198

Background



This preview shows how black text looks on a background with the Yxy color 40.3321, 0.2344, 0.2198.



This preview shows how white text looks on a background with the Yxy color 40.3321, 0.2344, 0.2198.

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

40.3321, 0.2344, 0.2198

Protanopia

40.3464, 0.2323, 0.2205

Deuteranopia

40.3570, 0.2287, 0.2228



Tritanopia

40.5261, 0.2615, 0.3086

Trichromacy



Original Color

40.3321, 0.2344, 0.2198

Protanomaly

40.4329, 0.2329, 0.2206

Deuteranomaly

40.3119, 0.2307, 0.2221

Tritanomaly

40.1355, 0.2504, 0.2713

Monochromacy



Original Color

40.3321, 0.2344, 0.2198

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.6490, 0.2804, 0.2856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3321, 0.2344, 0.2198 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(143, 166, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 166, 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(143, 166, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 166, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.3321, 0.2344, 0.2198 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(143, 166, 255) }
```

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

```
.border{ border-color:rgb(143, 166, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 166, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 166, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 166, 255);  
box-shadow:4px 4px 4px 4px rgb(143, 166,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3321, 0.2344, 0.2198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 166, 255) }
```

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

```
.background{ background-color: rgb(143,  
166, 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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