

# Converting Colors

$Y_{xy}(40.3464, 0.2323, 0.2205)$

Have a look what the booklet for  
Yxy(40.3464, 0.2323, 0.2205)  
contains.

<b>Yxy(40.3464, 0.2323, 0.2205)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(40.3464, 0.2323, 0.2205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BA7FF
RGB	139, 167, 255
RGB Percent	55%, 65%, 100%
CMY	0.4551, 0.3450, 0.0001
CMYK	0.45, 0.34, 0.00, 0.00
HSL	225°, 100%, 77%
HSV	225°, 45%, 100%
XYZ	42.5055, 40.3464, 100.1249
YIQ	168.6600, -44.9360, 21.4320

# Conversions

## Conversions Part 2

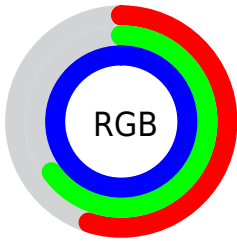
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">139, 162, 255</a>
Decimal	<a href="#">9152511</a>
CIELab	<a href="#">69.72, 12.90, -46.70</a>
CIElCh	<a href="#">70, 48.450, 285.437</a>
Yxy	<a href="#">40.3464, 0.2323, 0.2205</a>
Android (android.graphics.Color)	<a href="#">4287342591 (0xFF8BA7FF)</a>
YUV	<a href="#">168.6600, 42.5656, -26.0118</a>
Hunter-Lab	<a href="#">63.5188, 8.2907, -48.9959</a>

# Details

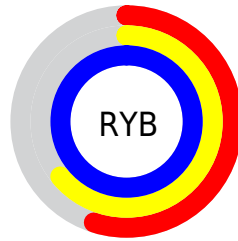
The Yxy color **40.3464, 0.2323, 0.2205** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **78.0004, 0.3923, 0.4173**, and the grayscale version is **39.2994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3329, 0.2761, 0.2931**, and **18.0880, 0.2105, 0.1931** is the 20% darker color. If you saturate the color by 10%, you get **31.8423, 0.2134, 0.1916**, and if you desaturate by 10%, it is **50.4236, 0.2515, 0.2482**.

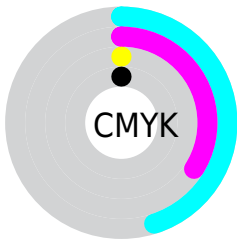
# Distribution



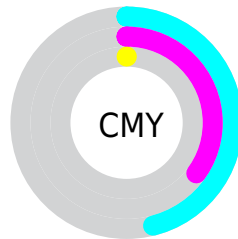
- Red (55%)
- Green (65%)
- Blue (100%)



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



- Cyan (45%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)




- Cyan (46%)
- Magenta (35%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3464, 0.2323, 0.2205 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 40.3464, 0.2323, 0.2205 by changing the saturation by 10% instead.




 40.3464, 0.2323,  
0.2205


 40.3464, 0.2323,  
0.2205


347.5814, 0.2722,  
0.2722

 27.8087, 0.2228,  
0.2086


 75.6907, 0.2465,  
0.2385

 18.1815, 0.2108,  
0.1941


 99.2661, 0.2520,  
0.2455

 11.0804, 0.1956,  
0.1759


127.2896, 0.2566,  
0.2516

 6.1209, 0.1756,  
0.1527

160.1455, 0.2606,  
0.2568

 2.9188, 0.1488,  
0.1230

198.2183, 0.2640,  
0.2614

 1.0895, 0.1126,  
0.0851

241.8922, 0.2671,

 0.0000, 0.0495,

0.2654

0.0000

291.5518, 0.2698,  
0.2690

0.0000, 0.0000,  
0.0000

40.3464, 0.2323,  
0.2205

40.3464, 0.2323,  
0.2205

31.8423, 0.2134,  
0.1916

50.4236, 0.2515,  
0.2482

24.8239, 0.1957,  
0.1628

62.1459, 0.2702,  
0.2741

19.2017, 0.1802,  
0.1355

75.5862, 0.2879,  
0.2976

14.8733, 0.1680,  
0.1113

90.8114, 0.3043,  
0.3185

11.7199, 0.1595,  
0.0916

99.9978, 0.3127,  
0.3290

■ 10.6282, 0.1568,  
0.0844

# Harmonies

## Analogous

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



40.3464, 0.1977, 0.2300



40.3464, 0.2323, 0.2205



40.3464, 0.2911, 0.2343

# Triad

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



40.3464, 0.2323, 0.2205



40.3464, 0.4537, 0.3666



40.3464, 0.2557, 0.4043

# Complementary

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



40.3464, 0.2323, 0.2205



78.0004, 0.3923, 0.4173

# 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.



40.3464, 0.3211, 0.4535



40.3464, 0.2323, 0.2205



40.3464, 0.4376, 0.4177

# Square

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



40.3464, 0.2323, 0.2205



40.3464, 0.4263, 0.3138



40.3464, 0.3879, 0.4540



40.3464, 0.2089, 0.3297



# Rectangle

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



40.3464, 0.2323, 0.2205



40.3464, 0.3391, 0.2544



40.3464, 0.3879, 0.4540



40.3464, 0.2762, 0.4254

# Sweetspot

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



40.3479, 0.2323, 0.2205



77.7784, 0.2904, 0.3009



82.4720, 0.2645, 0.3629



15.9827, 0.2867, 0.2961



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.



40.3479, 0.2323, 0.2205



32.2411, 0.2143, 0.1931



33.9907, 0.2463, 0.1929



18.0912, 0.2979, 0.3104



5.7474, 0.1575, 0.0869



0.7210, 0.1632, 0.1074



# Inverse Universe

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



42.4968, 0.4054, 0.3000



35.6242, 0.4367, 0.2950



89.5234, 0.3603, 0.4494



18.0591, 0.3256, 0.3233



11.3082, 0.5961, 0.3057



1.1173, 0.5648, 0.2885



# Previews

## White Background



This preview shows how the Yxy color 40.3464, 0.2323, 0.2205 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

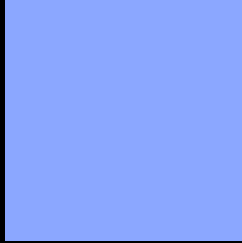
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.3464, 0.2323, 0.2205 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

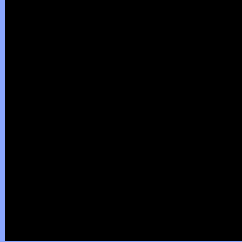
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.3464, 0.2323, 0.2205**

## Background



This preview shows how black text looks on a background with the Yxy color 40.3464, 0.2323, 0.2205.



This preview shows how white text looks on a background with the Yxy color 40.3464, 0.2323, 0.2205.

# 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

40.3464, 0.2323, 0.2205

### Protanopia

40.3464, 0.2323, 0.2205

### Deuteranopia

40.4212, 0.2283, 0.2218



## Tritanopia

40.2728, 0.2583, 0.3070

# Trichromacy



## Original Color

40.3464, 0.2323, 0.2205

## Protanomaly

40.3464, 0.2323, 0.2205

## Deuteranomaly

40.2936, 0.2297, 0.2210

## Tritanomaly

40.2070, 0.2481, 0.2724

# Monochromacy



## Original Color

40.3464, 0.2323, 0.2205

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

39.4445, 0.2788, 0.2854

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.3464, 0.2323, 0.2205 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, 167, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 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(139, 167, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 167, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 40.3464, 0.2323, 0.2205 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, 167, 255) }
```

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

```
.border{ border-color:rgb(139, 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(139, 167, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 167, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 167, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 167,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.3464, 0.2323, 0.2205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 167, 255) }
```

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

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