

Converting Colors

$Yxy(39.7325, 0.2320, 0.2345)$

Have a look what the booklet for
Yxy(39.7325, 0.2320, 0.2345)
contains.

Yxy(39.7325, 0.2320, 0.2345)	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(39.7325, 0.2320, 0.2345)

Conversions

Conversions Part 1

Format	Color
Hex	7FAAF3
RGB	127, 170, 243
RGB Percent	50%, 67%, 95%
CMY	0.5018, 0.3334, 0.0470
CMYK	0.48, 0.30, 0.00, 0.05
HSL	218°, 83%, 73%
HSV	218°, 48%, 95%
XYZ	39.3089, 39.7325, 90.3936
YIQ	165.4650, -49.0610, 13.5870

Conversions

Conversions Part 2

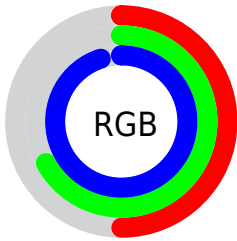
Format	Color
R _Y B	127, 158, 243
Decimal	8366835
CIE Lab	69.28, 4.94, -40.94
CIE LCh	69, 41.236, 276.886
Yxy	39.7325, 0.2320, 0.2345
Android (android.graphics.Color)	4286556915 (0xFF7FAAF3)
YUV	165.4650, 38.2248, -33.7338
Hunter-Lab	63.0337, 1.0067, -40.9013

Details

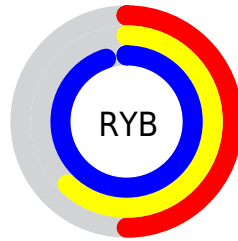
The Yxy color **39.7325, 0.2320, 0.2345** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **61.9197, 0.4039, 0.4069**, and the grayscale version is **37.6966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3847, 0.2693, 0.2958**, and **17.7672, 0.2106, 0.2102** is the 20% darker color. If you saturate the color by 10%, you get **32.6811, 0.2150, 0.2103**, and if you desaturate by 10%, it is **47.9043, 0.2497, 0.2577**.

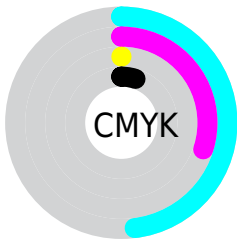
Distribution



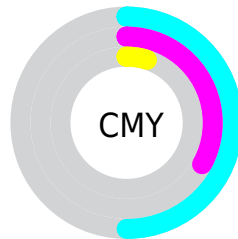
- Red (50%)
- Green (67%)
- Blue (95%)



- Red (50%)
- Yellow (62%)
- Blue (95%)



- Cyan (48%)
- Magenta (30%)
- Yellow (0%)
- Black (5%)



- Cyan (50%)
- Magenta (33%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 39.7325, 0.2320, 0.2345 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 39.7325, 0.2320, 0.2345 by changing the saturation by 10% instead.

■ 39.7325, 0.2320,
0.2345

■ 39.7325, 0.2320,
0.2345

344.9948, 0.2720,
0.2806

■ 27.3300, 0.2224,
0.2236

■ 74.7560, 0.2463,
0.2509

■ 17.8212, 0.2103,
0.2100

■ 98.1458, 0.2518,
0.2571

■ 10.8217, 0.1947,
0.1926

■ 125.9669, 0.2564,
0.2625

■ 5.9471, 0.1742,
0.1700

158.6036, 0.2604,
0.2671

■ 2.8129, 0.1464,
0.1400

196.4404, 0.2639,
0.2712

■ 1.0349, 0.1083,
0.0997

239.8616, 0.2669,


■ 0.0000, 0.0107,


0.2747


0.0000


289.2516, 0.2696,
0.2778

 0.0000, 0.0000,
0.0000


 39.7325, 0.2320,
0.2345

 39.7325, 0.2320,
0.2345


 32.6811, 0.2150,
0.2103


 47.9043, 0.2497,
0.2577


 26.6900, 0.1992,
0.1856

 57.2434, 0.2673,
0.2792


 21.6992, 0.1856,
0.1616

 67.7990, 0.2844,
0.2989

 17.6393, 0.1747,
0.1391

 79.6161, 0.3008,
0.3167

 14.4237, 0.1668,
0.1191

 92.7371, 0.3161,
0.3324

■ 13.7858, 0.1652,
0.1148

■ 99.2513, 0.3197,
0.3405

Harmonies

Analogous

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



39.7325, 0.2077, 0.2501



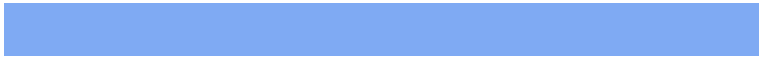
39.7325, 0.2320, 0.2345



39.7325, 0.2782, 0.2407

Triad

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



39.7325, 0.2320, 0.2345



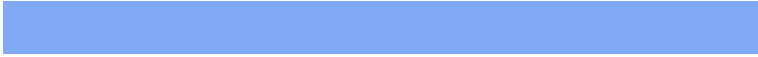
39.7325, 0.4306, 0.3501



39.7325, 0.2795, 0.4077

Complementary

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



39.7325, 0.2320, 0.2345



61.9197, 0.4039, 0.4069

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.



39.7325, 0.3383, 0.4387



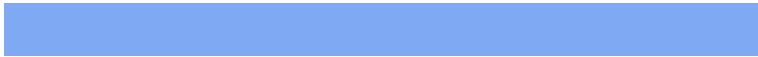
39.7325, 0.2320, 0.2345



39.7325, 0.4281, 0.3958

Square

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



39.7325, 0.2320, 0.2345



39.7325, 0.3969, 0.3042



39.7325, 0.3931, 0.4307



39.7325, 0.2324, 0.3485

Rectangle

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



39.7325, 0.2320, 0.2345



39.7325, 0.3179, 0.2555



39.7325, 0.3931, 0.4307



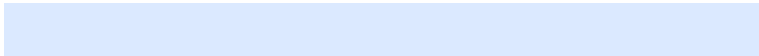
39.7325, 0.2985, 0.4223

Sweetspot

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



39.7339, 0.2320, 0.2345



80.3353, 0.2906, 0.3057



72.7212, 0.2703, 0.3850



16.6005, 0.2870, 0.3018



0.0000, 0.0000, 0.0000



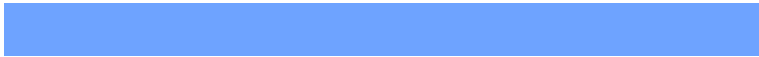
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.7339, 0.2320, 0.2345



36.8815, 0.2159, 0.2117



27.2853, 0.2309, 0.1817



16.9321, 0.2980, 0.3137



7.8021, 0.1660, 0.1177



0.8755, 0.1729, 0.1426

Inverse Universe

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



37.1465, 0.3942, 0.2826



34.9984, 0.4199, 0.2750



82.3730, 0.3733, 0.4498



16.5840, 0.3235, 0.3203



10.8870, 0.5499, 0.2803



0.9760, 0.5157, 0.2614

Previews

White Background



This preview shows how the Yxy color 39.7325, 0.2320, 0.2345 looks on a white background.

Color Contrast Check

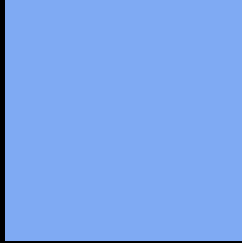
Large Text (above 18pt) WCAG AA × Fail

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 39.7325, 0.2320, 0.2345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

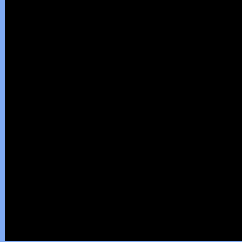
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

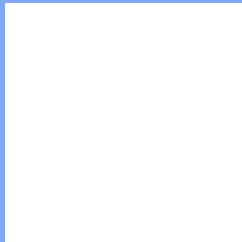
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.7325, 0.2320, 0.2345

Background



This preview shows how black text looks on a background with the Yxy color 39.7325, 0.2320, 0.2345.



This preview shows how white text looks on a background with the Yxy color 39.7325, 0.2320, 0.2345.

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

39.7325, 0.2320, 0.2345

Protanopia

39.5834, 0.2435, 0.2349

Deuteranopia

39.6581, 0.2378, 0.2312



Tritanopia

39.5800, 0.2521, 0.3066

Trichromacy



Original Color

39.7325, 0.2320, 0.2345

Protanomaly

39.3916, 0.2388, 0.2341

Deuteranomaly

39.6878, 0.2356, 0.2319

Tritanomaly

39.5860, 0.2439, 0.2779

Monochromacy



Original Color

39.7325, 0.2320, 0.2345

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.0670, 0.2782, 0.2925

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7325, 0.2320, 0.2345 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(127, 170, 243)` looks like.

```
.text, #text, p{  
    color:rgb(127, 170, 243)  
}
```

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(127, 170, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 170, 243) }
```

Border

The CSS property to change the border of an element to Yxy 39.7325, 0.2320, 0.2345 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(127, 170, 243) }
```

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

```
.border{ border-color:rgb(127, 170, 243) }
```

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

Here you see how a box with a 4 pixel rgb(127, 170, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 170, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 170, 243);  
box-shadow:4px 4px 4px 4px rgb(127, 170,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7325, 0.2320, 0.2345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 170, 243) }
```

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

```
.background{ background-color: rgb(127,  
170, 243) }
```

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