

Converting Colors

Yxy(39.7384, 0.2440, 0.2533)

Have a look what the booklet for
Yxy(39.7384, 0.2440, 0.2533)
contains.

Yxy(39.7138, 0.2436, 0.2530)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(39.7138, 0.2436, 0.2530)

Conversions

Conversions Part 1

Format	Color
Hex	85ABE4
RGB	133, 171, 228
RGB Percent	52%, 67%, 89%
CMY	0.4783, 0.3294, 0.1060
CMYK	0.42, 0.25, 0.00, 0.11
HSL	216°, 64%, 71%
HSV	216°, 42%, 89%
XYZ	38.2383, 39.7138, 79.0195
YIQ	166.1360, -40.9450, 9.6710

Conversions

Conversions Part 2

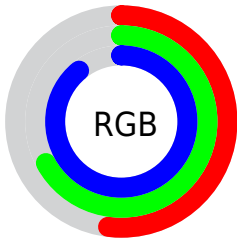
Format	Color
RYB	133, 160, 228
Decimal	8760292
CIELab	69.27, 1.59, -32.72
CIELCh	69, 32.760, 272.779
Yxy	39.7138, 0.2436, 0.2530
Android (android.graphics.Color)	4286950372 (0xFF85ABE4)
YUV	166.1360, 30.4990, -29.0603
Hunter-Lab	63.0189, -1.9738, -30.2306

Details

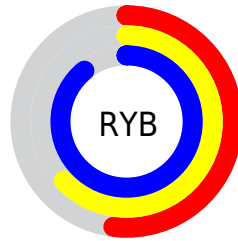
The Yxy color **39.7138, 0.2436, 0.2530** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **55.0049, 0.3914, 0.3941**, and the grayscale version is **38.0702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4315, 0.2717, 0.2971**, and **17.7919, 0.2245, 0.2325** is the 20% darker color. If you saturate the color by 10%, you get **33.1534, 0.2265, 0.2306**, and if you desaturate by 10%, it is **47.2146, 0.2609, 0.2740**.

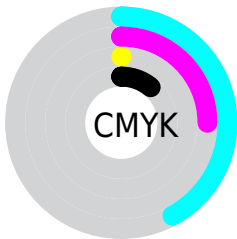
Distribution



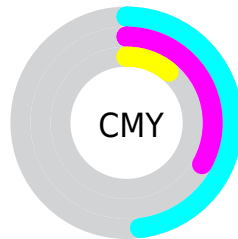
- Red (52%)
- Green (67%)
- Blue (89%)



- Red (52%)
- Yellow (63%)
- Blue (89%)



- Cyan (42%)
- Magenta (25%)
- Yellow (0%)
- Black (11%)





- Cyan (48%)
- Magenta (33%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7138, 0.2436, 0.2530 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 39.7138, 0.2436, 0.2530 by changing the saturation by 10% instead.


 39.7138, 0.2436,
0.2530


 39.7138, 0.2436,
0.2530


344.9158, 0.2782,
0.2908


 27.3155, 0.2351,
0.2438


 74.7275, 0.2561,
0.2666

 17.8103, 0.2244,
0.2321


 98.1117, 0.2608,
0.2718

 10.8139, 0.2104,
0.2169


 125.9266, 0.2648,
0.2761

 5.9418, 0.1915,
0.1966

158.5566, 0.2682,
0.2799

 2.8097, 0.1650,
0.1683

196.3861, 0.2712,
0.2832

 1.0332, 0.1266,
0.1276

239.7996, 0.2738,

 0.0000, 0.0000,

0.2860

0.0000

289.1813, 0.2761,
0.2886

■ 39.7138, 0.2436,
0.2530

■ 39.7138, 0.2436,
0.2530

■ 33.1534, 0.2265,
0.2306

■ 47.2146, 0.2609,
0.2740

■ 27.4864, 0.2104,
0.2073

■ 55.6907, 0.2781,
0.2934

■ 22.6679, 0.1958,
0.1839

■ 65.1805, 0.2946,
0.3109

■ 18.6462, 0.1834,
0.1611

■ 75.7189, 0.3102,
0.3266

■ 15.3618, 0.1738,
0.1399

■ 87.3390, 0.3249,
0.3405

■ 13.1123, 0.1678,
0.1239

■ 97.1544, 0.3288,
0.3534

■ 98.3792, 0.3286,
0.3552

Harmonies

Analogous

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



39.7138, 0.2260, 0.2694



39.7138, 0.2436, 0.2530



39.7138, 0.2795, 0.2553

Triad

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



39.7138, 0.2436, 0.2530



39.7138, 0.4042, 0.3424



39.7138, 0.2932, 0.3952

Complementary

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



39.7138, 0.2436, 0.2530



55.0049, 0.3914, 0.3941

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.



39.7138, 0.3409, 0.4160



39.7138, 0.2436, 0.2530



39.7138, 0.4070, 0.3798

Square

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



39.7138, 0.2436, 0.2530



39.7138, 0.3741, 0.3047



39.7138, 0.3830, 0.4082



39.7138, 0.2527, 0.3517

Rectangle

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



39.7138, 0.2436, 0.2530



39.7138, 0.3106, 0.2660



39.7138, 0.3830, 0.4082



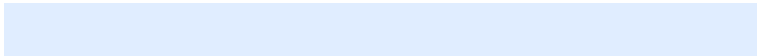
39.7138, 0.3089, 0.4053

Sweetspot

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



39.7153, 0.2436, 0.2530



83.4911, 0.2939, 0.3102



64.1716, 0.2755, 0.3786



17.5116, 0.2917, 0.3080



0.0000, 0.0000, 0.0000



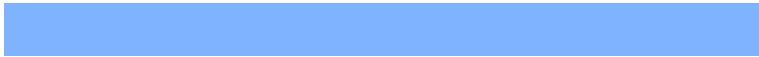
21.4041, 0.3127, 0.3290

Same Dimension

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



39.7153, 0.2436, 0.2530



43.8098, 0.2288, 0.2336



28.1808, 0.2422, 0.2030



14.8285, 0.2981, 0.3145



7.7916, 0.1685, 0.1267



0.7535, 0.1766, 0.1557

Inverse Universe

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



36.2120, 0.3760, 0.2853



39.8026, 0.3961, 0.2767



72.1371, 0.3674, 0.4344



14.4630, 0.3230, 0.3196



9.9843, 0.5372, 0.2733



0.7557, 0.4986, 0.2520

Previews

White Background



This preview shows how the Yxy color 39.7138, 0.2436, 0.2530 looks on a white background.

Color Contrast Check

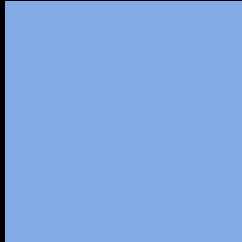
Large Text (above 18pt) WCAG AA × Fail

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 39.7138, 0.2436, 0.2530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

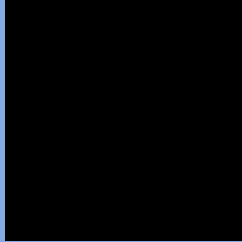
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

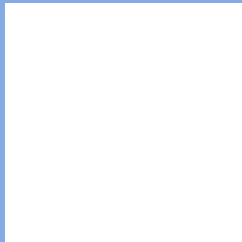
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.7138, 0.2436, 0.2530

Background



This preview shows how black text looks on a background with the Yxy color 39.7138, 0.2436, 0.2530.



This preview shows how white text looks on a background with the Yxy color 39.7138, 0.2436, 0.2530.

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

39.7138, 0.2436, 0.2530

Protanopia

39.7491, 0.2572, 0.2534

Deuteranopia

39.5089, 0.2539, 0.2474



Tritanopia

39.8575, 0.2600, 0.3084

Trichromacy



Original Color

39.7138, 0.2436, 0.2530

Protanomaly

39.5160, 0.2519, 0.2526

Deuteranomaly

39.5917, 0.2495, 0.2491

Tritanomaly

39.5797, 0.2539, 0.2863

Monochromacy



Original Color

39.7138, 0.2436, 0.2530

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.5494, 0.2837, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7138, 0.2436, 0.2530 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(133, 171, 228)` looks like.

```
.text, #text, p{  
    color:rgb(133, 171, 228)  
}
```

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(133, 171, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 171, 228) }
```

Border

The CSS property to change the border of an element to Yxy 39.7138, 0.2436, 0.2530 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(133, 171, 228) }
```

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

```
.border{ border-color:rgb(133, 171, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 171, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 171, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 171, 228);  
box-shadow:4px 4px 4px 4px rgb(133, 171,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7138, 0.2436, 0.2530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 171, 228) }
```

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

```
.background{ background-color: rgb(133,  
171, 228) }
```

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