

Converting Colors

$Y_{xy}(38.8702, 0.2438, 0.2714)$

Have a look what the booklet for
Yxy(38.8702, 0.2438, 0.2714)
contains.

Yxy(38.7352, 0.2438, 0.2712)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(38.7352, 0.2438, 0.2712)

Conversions

Conversions Part 1

Format	Color
Hex	78ADD6
RGB	120, 173, 214
RGB Percent	47%, 68%, 84%
CMY	0.5297, 0.3215, 0.1607
CMYK	0.44, 0.19, 0.00, 0.16
HSL	206°, 53%, 65%
HSV	206°, 44%, 84%
XYZ	34.8217, 38.7352, 69.2720
YIQ	161.8270, -44.7490, 1.5150

Conversions

Conversions Part 2

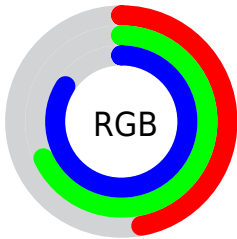
Format	Color
RYB	120, 154, 214
Decimal	7908822
CIELab	68.56, -6.71, -26.22
CIELCh	69, 27.066, 255.655
Yxy	38.7352, 0.2438, 0.2712
Android (android.graphics.Color)	4286098902 (0xFF78ADD6)
YUV	161.8270, 25.7213, -36.6823
Hunter-Lab	62.2376, -9.0458, -22.4249

Details

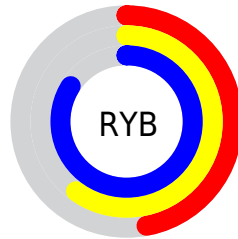
The Yxy color **38.7352, 0.2438, 0.2712** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.1230, 0.4048, 0.3795**, and the grayscale version is **35.9342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9369, 0.2646, 0.2988**, and **17.3018, 0.2249, 0.2548** is the 20% darker color. If you saturate the color by 10%, you get **33.9208, 0.2291, 0.2551**, and if you desaturate by 10%, it is **44.1442, 0.2593, 0.2863**.

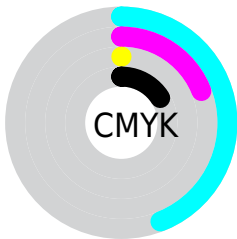
Distribution



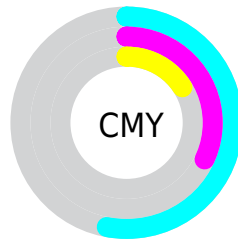
- Red (47%)
- Green (68%)
- Blue (84%)



- Red (47%)
- Yellow (60%)
- Blue (84%)



- Cyan (44%)
- Magenta (19%)
- Yellow (0%)
- Black (16%)





- Cyan (53%)
- Magenta (32%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.7352, 0.2438, 0.2712 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 38.7352, 0.2438, 0.2712 by changing the saturation by 10% instead.


 38.7352, 0.2438,
0.2712


 38.7352, 0.2438,
0.2712


340.7634, 0.2783,
0.3008


 26.5538, 0.2353,
0.2637


 73.2336, 0.2563,
0.2821

 17.2384, 0.2244,
0.2540

 96.3194, 0.2610,
0.2861

 10.4046, 0.2101,
0.2411


 123.8088, 0.2650,
0.2895

 5.6680, 0.1906,
0.2231

156.0862, 0.2684,
0.2925

 2.6443, 0.1630,
0.1969

193.5359, 0.2714,
0.2950

 0.9490, 0.1213,
0.1563

236.5424, 0.2740,

 0.0000, 0.0000,

0.2972

0.0000

285.4901, 0.2763,
0.2991

■ 38.7352, 0.2438,
0.2712

■ 38.7352, 0.2438,
0.2712

■ 33.9208, 0.2291,
0.2551

■ 44.1442, 0.2593,
0.2863

■ 29.6686, 0.2156,
0.2384

■ 50.1692, 0.2752,
0.3004

■ 25.9487, 0.2038,
0.2214

■ 56.8358, 0.2911,
0.3132

■ 22.7260, 0.1940,
0.2044

■ 64.1665, 0.3067,
0.3248

■ 19.9583, 0.1865,
0.1879

■ 72.1825, 0.3217,
0.3351

■ 18.4675, 0.1829,
0.1782

■ 80.9042, 0.3362,
0.3443

■ 87.4453, 0.3395,
0.3532

■ 93.0279, 0.3380,
0.3622

■ 97.6360, 0.3369,
0.3691

Harmonies

Analogous

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



38.7352, 0.2388, 0.2948



38.7352, 0.2438, 0.2712



38.7352, 0.2660, 0.2637

Triad

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



38.7352, 0.2438, 0.2712



38.7352, 0.3769, 0.3223



38.7352, 0.3196, 0.3961

Complementary

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



38.7352, 0.2438, 0.2712



41.1230, 0.4048, 0.3795

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.



38.7352, 0.3581, 0.4004



38.7352, 0.2438, 0.2712



38.7352, 0.3928, 0.3551

Square

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



38.7352, 0.2438, 0.2712



38.7352, 0.3426, 0.2927



38.7352, 0.3854, 0.3839



38.7352, 0.2808, 0.3697

Rectangle

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



38.7352, 0.2438, 0.2712



38.7352, 0.2887, 0.2675



38.7352, 0.3854, 0.3839



38.7352, 0.3331, 0.4002

Sweetspot

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



38.7367, 0.2438, 0.2712



85.3714, 0.2924, 0.3142



54.6543, 0.2830, 0.4049



17.7781, 0.2889, 0.3115



0.0000, 0.0000, 0.0000



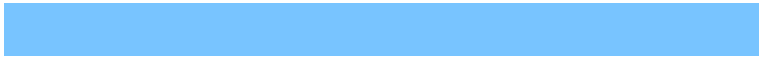
21.4041, 0.3127, 0.3290

Same Dimension

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



38.7367, 0.2438, 0.2712



50.7251, 0.2297, 0.2559



23.8194, 0.2320, 0.2019



13.1595, 0.2982, 0.3186



11.3708, 0.1835, 0.1806



0.8492, 0.1913, 0.2087

Inverse Universe

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



30.7341, 0.3620, 0.2650



38.6467, 0.3779, 0.2522



60.6422, 0.3806, 0.4304



12.5370, 0.3204, 0.3159



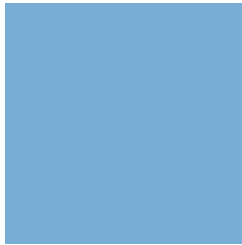
9.4927, 0.4678, 0.2351



0.5891, 0.4356, 0.2173

Previews

White Background



This preview shows how the Yxy color 38.7352, 0.2438, 0.2712 looks on a white background.

Color Contrast Check

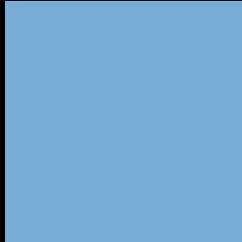
Large Text (above 18pt) WCAG AA × Fail

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 38.7352, 0.2438, 0.2712 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 38.7352, 0.2438, 0.2712

Background



This preview shows how black text looks on a background with the Yxy color 38.7352, 0.2438, 0.2712.

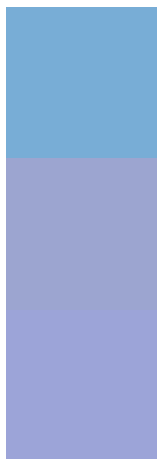


This preview shows how white text looks on a background with the Yxy color 38.7352, 0.2438, 0.2712.

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

38.7352, 0.2438, 0.2712

Protanopia

38.5323, 0.2712, 0.2710

Deuteranopia

38.5767, 0.2656, 0.2601



Tritanopia

38.7166, 0.2540, 0.3079

Trichromacy



Original Color

38.7352, 0.2438, 0.2712

Protanomaly

38.4980, 0.2605, 0.2713

Deuteranomaly

38.3834, 0.2571, 0.2638

Tritanomaly

38.8872, 0.2508, 0.2952

Monochromacy



Original Color

38.7352, 0.2438, 0.2712

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.8117, 0.2838, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7352, 0.2438, 0.2712 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(120, 173, 214)` looks like.

```
.text, #text, p{  
    color:rgb(120, 173, 214)  
}
```

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(120, 173, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 173, 214) }
```

Border

The CSS property to change the border of an element to Yxy 38.7352, 0.2438, 0.2712 is called "border". The border property can be set on classes, ids or directly on the HTML element.

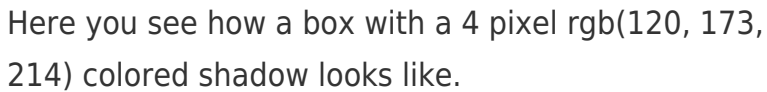
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(120, 173, 214) }
```

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

```
.border{ border-color:rgb(120, 173, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(120, 173, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 173, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 173, 214);  
box-shadow:4px 4px 4px 4px rgb(120, 173,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7352, 0.2438, 0.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 173, 214) }
```

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

```
.background{ background-color: rgb(120,  
173, 214) }
```

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