

Converting Colors

$Y_{xy}(38.7000, 0.2479, 0.2763)$

Have a look what the booklet for
Yxy(38.7000, 0.2479, 0.2763)
contains.

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Color

Yxy(38.7512, 0.2480, 0.2766)

Conversions

Conversions Part 1

Format	Color
Hex	7BADD2
RGB	123, 173, 210
RGB Percent	48%, 68%, 82%
CMY	0.5175, 0.3216, 0.1766
CMYK	0.41, 0.18, 0.00, 0.18
HSL	206°, 49%, 65%
HSV	206°, 41%, 82%
XYZ	34.7444, 38.7512, 66.6027
YIQ	162.2680, -41.6770, 0.9070

Conversions

Conversions Part 2

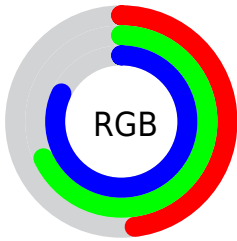
Format	Color
RYB	123, 155, 210
Decimal	8105426
CIELab	68.57, -7.02, -23.96
CIELCh	69, 24.971, 253.670
Yxy	38.7512, 0.2480, 0.2766
Android (android.graphics.Color)	4286295506 (0xFF7BADD2)
YUV	162.2680, 23.5319, -34.4380
Hunter-Lab	62.2505, -9.3106, -19.8600

Details

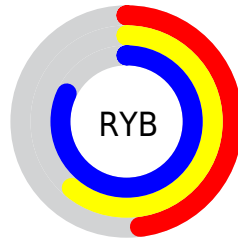
The Yxy color **38.7512, 0.2480, 0.2766** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **40.2690, 0.3983, 0.3754**, and the grayscale version is **36.1683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2905, 0.2662, 0.2989**, and **17.3065, 0.2302, 0.2620** is the 20% darker color. If you saturate the color by 10%, you get **34.0557, 0.2332, 0.2612**, and if you desaturate by 10%, it is **44.0107, 0.2635, 0.2911**.

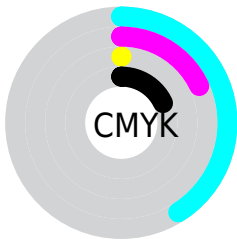
Distribution



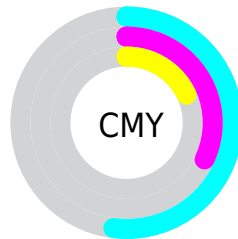
- Red (48%)
- Green (68%)
- Blue (82%)



- Red (48%)
- Yellow (61%)
- Blue (82%)



- Cyan (41%)
- Magenta (18%)
- Yellow (0%)
- Black (18%)



- Cyan (52%)
- Magenta (32%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7512, 0.2480, 0.2766 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 38.7512, 0.2480, 0.2766 by changing the saturation by 10% instead.

■ 38.7512, 0.2480,
0.2766

■ 38.7512, 0.2480,
0.2766

■ 340.8315, 0.2805,
0.3036

■ 26.5662, 0.2399,
0.2697

■ 73.2581, 0.2598,
0.2865

■ 17.2477, 0.2296,
0.2608

■ 96.3488, 0.2642,
0.2902

■ 10.4113, 0.2160,
0.2488

■ 123.8435, 0.2680,
0.2933

■ 5.6725, 0.1973,
0.2321

■ 156.1267, 0.2712,
0.2960

■ 2.6470, 0.1705,
0.2073

■ 193.5827, 0.2740,
0.2983

■ 0.9503, 0.1292,
0.1681

■ 236.5959, 0.2765,

■ 0.0000, 0.0000,

0.3003

0.0000

285.5507, 0.2786,
0.3020

■ 38.7512, 0.2480,
0.2766

■ 38.7512, 0.2480,
0.2766

■ 34.0557, 0.2332,
0.2612

■ 44.0107, 0.2635,
0.2911

■ 29.8937, 0.2195,
0.2451

■ 49.8534, 0.2794,
0.3044

■ 26.2384, 0.2074,
0.2285

■ 56.3032, 0.2951,
0.3166

■ 23.0574, 0.1972,
0.2120

■ 63.3808, 0.3106,
0.3276

■ 20.3134, 0.1893,
0.1957

■ 71.1061, 0.3255,
0.3374

■ 18.2512, 0.1839,
0.1822

■ 79.4977, 0.3397,
0.3460

■ 85.6153, 0.3426,
0.3546

■ 90.8714, 0.3411,
0.3632

■ 96.3879, 0.3396,
0.3716

Harmonies

Analogous

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



38.7512, 0.2444, 0.2995



38.7512, 0.2480, 0.2766



38.7512, 0.2677, 0.2684

Triad

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



38.7512, 0.2480, 0.2766



38.7512, 0.3702, 0.3210



38.7512, 0.3218, 0.3915

Complementary

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



38.7512, 0.2480, 0.2766



40.2690, 0.3983, 0.3754

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.



38.7512, 0.3569, 0.3944



38.7512, 0.2480, 0.2766



38.7512, 0.3862, 0.3515

Square

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



38.7512, 0.2480, 0.2766



38.7512, 0.3380, 0.2937



38.7512, 0.3810, 0.3785



38.7512, 0.2856, 0.3685

Rectangle

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



38.7512, 0.2480, 0.2766



38.7512, 0.2883, 0.2712



38.7512, 0.3810, 0.3785



38.7512, 0.3341, 0.3948

Sweetspot

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



38.7527, 0.2480, 0.2766



86.6287, 0.2940, 0.3157



52.8047, 0.2853, 0.4018



18.2493, 0.2919, 0.3142



0.0000, 0.0000, 0.0000



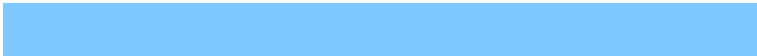
21.4041, 0.3127, 0.3290

Same Dimension

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



38.7527, 0.2480, 0.2766



53.4438, 0.2344, 0.2625



24.9025, 0.2377, 0.2128



12.5298, 0.2983, 0.3189



11.3392, 0.1846, 0.1845



0.7896, 0.1927, 0.2136

Inverse Universe

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



30.8874, 0.3570, 0.2676



40.7752, 0.3712, 0.2548



57.7115, 0.3773, 0.4233



11.9205, 0.3202, 0.3157



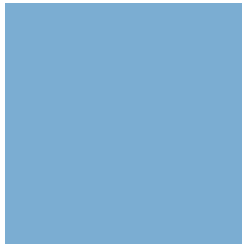
9.2160, 0.4632, 0.2325



0.5310, 0.4301, 0.2143

Previews

White Background



This preview shows how the Yxy color 38.7512, 0.2480, 0.2766 looks on a white background.

Color Contrast Check

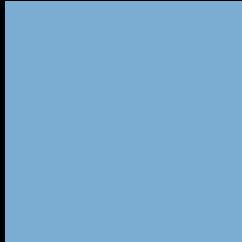
Large Text (above 18pt) WCAG AA × Fail

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 38.7512, 0.2480, 0.2766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

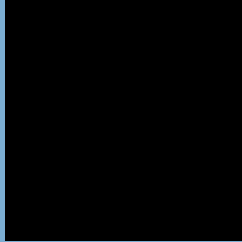
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

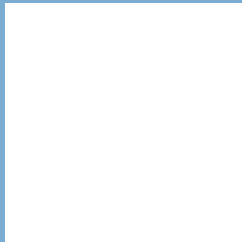
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.7512, 0.2480, 0.2766

Background



This preview shows how black text looks on a background with the Yxy color 38.7512, 0.2480, 0.2766.



This preview shows how white text looks on a background with the Yxy color 38.7512, 0.2480, 0.2766.

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

38.7512, 0.2480, 0.2766

Protanopia

38.5390, 0.2756, 0.2762

Deuteranopia

38.6753, 0.2706, 0.2653



Tritanopia

38.6638, 0.2569, 0.3066

Trichromacy



Original Color

38.7512, 0.2480, 0.2766

Protanomaly

38.4812, 0.2645, 0.2765

Deuteranomaly

38.4516, 0.2618, 0.2690

Tritanomaly

38.7302, 0.2537, 0.2953

Monochromacy



Original Color

38.7512, 0.2480, 0.2766

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.8230, 0.2861, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7512, 0.2480, 0.2766 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(123, 173, 210)` looks like.

```
.text, #text, p{  
    color:rgb(123, 173, 210)  
}
```

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(123, 173, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 173, 210) }
```

Border

The CSS property to change the border of an element to Yxy 38.7512, 0.2480, 0.2766 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(123, 173, 210) }
```

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

```
.border{ border-color:rgb(123, 173, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 173, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 173, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 173, 210);  
box-shadow:4px 4px 4px 4px rgb(123, 173,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7512, 0.2480, 0.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 173, 210) }
```

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

```
.background{ background-color: rgb(123,  
173, 210) }
```

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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