

Converting Colors

$Y_{xy}(37.5585, 0.2482, 0.2646)$

Have a look what the booklet for
Yxy(37.5585, 0.2482, 0.2646)
contains.

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Color

Yxy(37.5274, 0.2483, 0.2648)

Conversions

Conversions Part 1

Format	Color
Hex	81A8D6
RGB	129, 168, 214
RGB Percent	51%, 66%, 84%
CMY	0.4942, 0.3411, 0.1608
CMYK	0.40, 0.21, 0.00, 0.16
HSL	212°, 51%, 67%
HSV	212°, 40%, 84%
XYZ	35.1890, 37.5274, 69.0034
YIQ	161.5830, -38.0100, 6.0380

Conversions

Conversions Part 2

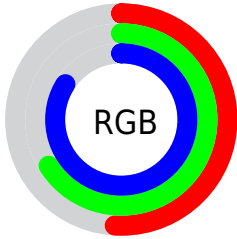
Format	Color
RYB	129, 156, 214
Decimal	8497366
CIELab	67.67, -1.62, -27.53
CIELCh	68, 27.579, 266.624
Yxy	37.5274, 0.2483, 0.2648
Android (android.graphics.Color)	4286687446 (0xFF81A8D6)
YUV	161.5830, 25.8416, -28.5753
Hunter-Lab	61.2596, -4.6695, -23.9030

Details

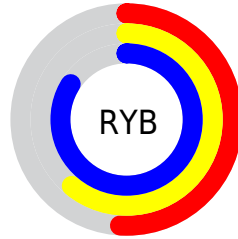
The Yxy color **37.5274, 0.2483, 0.2648** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.5216, 0.3892, 0.3851**, and the grayscale version is **35.8146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1857, 0.2685, 0.2935**, and **16.4898, 0.2297, 0.2459** is the 20% darker color. If you saturate the color by 10%, you get **31.9401, 0.2319, 0.2450**, and if you desaturate by 10%, it is **43.8488, 0.2650, 0.2833**.

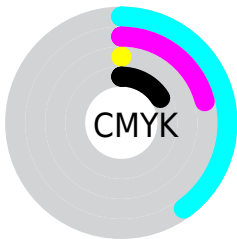
Distribution



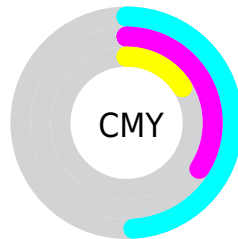
- Red (51%)
- Green (66%)
- Blue (84%)



- Red (51%)
- Yellow (61%)
- Blue (84%)



- Cyan (40%)
- Magenta (21%)
- Yellow (0%)
- Black (16%)




- Cyan (49%)
- Magenta (34%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5274, 0.2483, 0.2648 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 37.5274, 0.2483, 0.2648 by changing the saturation by 10% instead.


 37.5274, 0.2483,
0.2648

 37.5274, 0.2483,
0.2648


335.5883, 0.2809,
0.2974


 25.6161, 0.2402,
0.2566

 71.3832, 0.2602,
0.2767

 16.5367, 0.2297,
0.2460


 94.0965, 0.2646,
0.2812

 9.9047, 0.2160,
0.2321


 121.1792, 0.2684,
0.2850

 5.3358, 0.1971,
0.2128

153.0157, 0.2716,
0.2882

 2.4456, 0.1699,
0.1849

189.9905, 0.2744,
0.2910

 0.8492, 0.1287,
0.1425

232.4880, 0.2768,

 0.0000, 0.0000,

0.2934

0.0000

280.8924, 0.2790,
0.2955

■ 37.5274, 0.2483,
0.2648

■ 37.5274, 0.2483,
0.2648

■ 31.9401, 0.2319,
0.2450

■ 43.8488, 0.2650,
0.2833

■ 27.0506, 0.2164,
0.2243

■ 50.9298, 0.2816,
0.3003

■ 22.8255, 0.2023,
0.2031

■ 58.7994, 0.2977,
0.3156

■ 19.2261, 0.1901,
0.1821

■ 67.4840, 0.3131,
0.3293

■ 16.2079, 0.1805,
0.1620

■ 77.0085, 0.3277,
0.3415

■ 13.7009, 0.1732,
0.1432

■ 86.9451, 0.3396,
0.3524

■ 13.6390, 0.1730,
0.1428

■ 93.8817, 0.3379,
0.3635

■ 97.6348, 0.3370,
0.3691

Harmonies

Analogous

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



37.5274, 0.2365, 0.2830



37.5274, 0.2483, 0.2648



37.5274, 0.2768, 0.2632

Triad

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



37.5274, 0.2483, 0.2648



37.5274, 0.3875, 0.3343



37.5274, 0.3046, 0.3906

Complementary

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



37.5274, 0.2483, 0.2648



46.5216, 0.3892, 0.3851

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.



37.5274, 0.3457, 0.4038



37.5274, 0.2483, 0.2648



37.5274, 0.3952, 0.3674

Square

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



37.5274, 0.2483, 0.2648



37.5274, 0.3579, 0.3020



37.5274, 0.3792, 0.3937



37.5274, 0.2674, 0.3570

Rectangle

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



37.5274, 0.2483, 0.2648



37.5274, 0.3026, 0.2707



37.5274, 0.3792, 0.3937



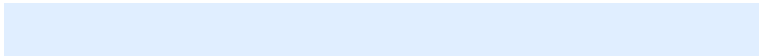
37.5274, 0.3184, 0.3977

Sweetspot

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



37.5288, 0.2483, 0.2648



84.5431, 0.2939, 0.3121



55.8238, 0.2803, 0.3839



17.7586, 0.2918, 0.3101



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.



37.5288, 0.2483, 0.2648



48.4844, 0.2339, 0.2476



25.4370, 0.2418, 0.2087



12.9389, 0.2982, 0.3161



8.4474, 0.1737, 0.1454



0.6740, 0.1829, 0.1784

Inverse Universe

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



32.8155, 0.3657, 0.2814



41.5913, 0.3832, 0.2713



63.5476, 0.3696, 0.4277



12.5147, 0.3220, 0.3183



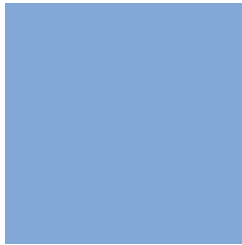
9.1976, 0.5119, 0.2594



0.5714, 0.4705, 0.2365

Previews

White Background



This preview shows how the Yxy color 37.5274, 0.2483, 0.2648 looks on a white background.

Color Contrast Check

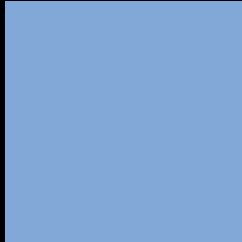
Large Text (above 18pt) WCAG AA × Fail

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 37.5274, 0.2483, 0.2648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

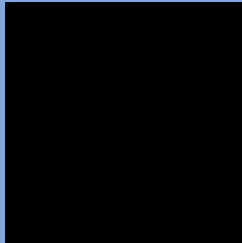
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

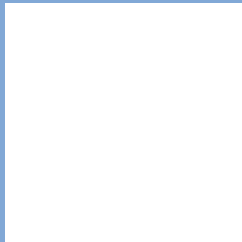
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.5274, 0.2483, 0.2648

Background



This preview shows how black text looks on a background with the Yxy color 37.5274, 0.2483, 0.2648.

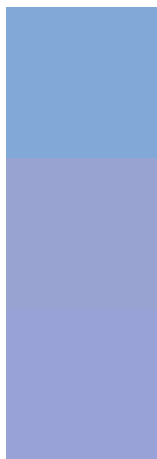


This preview shows how white text looks on a background with the Yxy color 37.5274, 0.2483, 0.2648.

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

37.5274, 0.2483, 0.2648

Protanopia

37.5229, 0.2664, 0.2653

Deuteranopia

37.5193, 0.2637, 0.2581



Tritanopia

37.6126, 0.2615, 0.3079

Trichromacy



Original Color

37.5274, 0.2483, 0.2648

Protanomaly

37.5427, 0.2600, 0.2659

Deuteranomaly

37.3865, 0.2573, 0.2597

Tritanomaly

37.5170, 0.2567, 0.2910

Monochromacy



Original Color

37.5274, 0.2483, 0.2648

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.3711, 0.2861, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5274, 0.2483, 0.2648 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(129, 168, 214)` looks like.

```
.text, #text, p{  
    color:rgb(129, 168, 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(129, 168, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 168, 214) }
```

Border

The CSS property to change the border of an element to Yxy 37.5274, 0.2483, 0.2648 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(129, 168, 214) }
```

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

```
.border{ border-color:rgb(129, 168, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 168, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 168, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 168, 214);  
box-shadow:4px 4px 4px 4px rgb(129, 168,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5274, 0.2483, 0.2648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 168, 214) }
```

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

```
.background{ background-color: rgb(129,  
168, 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](#).

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