

Converting Colors

$Yxy(37.7642, 0.2471, 0.2577)$

Have a look what the booklet for
Yxy(37.7642, 0.2471, 0.2577)
contains.

Yxy(37.6574, 0.2471, 0.2576)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.6574, 0.2471, 0.2576)

Conversions

Conversions Part 1

Format	Color
Hex	84A7DB
RGB	132, 167, 219
RGB Percent	52%, 65%, 86%
CMY	0.4824, 0.3451, 0.1410
CMYK	0.40, 0.24, 0.00, 0.14
HSL	216°, 55%, 69%
HSV	216°, 40%, 86%
XYZ	36.1225, 37.6574, 72.4057
YIQ	162.4630, -37.5520, 8.7520

Conversions

Conversions Part 2

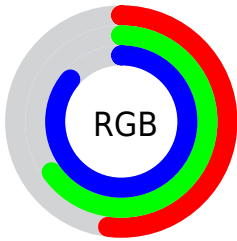
Format	Color
RYB	132, 157, 219
Decimal	8693723
CIELab	67.77, 1.11, -30.14
CIELCh	68, 30.163, 272.103
Yxy	37.6574, 0.2471, 0.2576
Android (android.graphics.Color)	4286883803 (0xFF84A7DB)
YUV	162.4630, 27.8727, -26.7161
Hunter-Lab	61.3656, -2.3171, -27.0007

Details

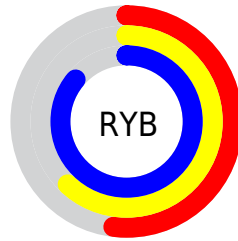
The Yxy color **37.6574, 0.2471, 0.2576** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **51.0215, 0.3870, 0.3908**, and the grayscale version is **36.2398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1539, 0.2707, 0.2926**, and **16.5615, 0.2282, 0.2366** is the 20% darker color. If you saturate the color by 10%, you get **31.5176, 0.2300, 0.2356**, and if you desaturate by 10%, it is **44.6565, 0.2644, 0.2782**.

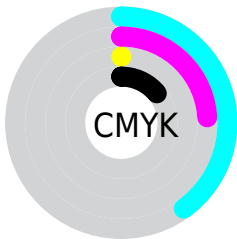
Distribution



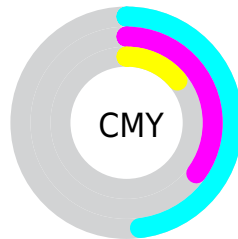
- Red (52%)
- Green (65%)
- Blue (86%)



- Red (52%)
- Yellow (62%)
- Blue (86%)



- Cyan (40%)
- Magenta (24%)
- Yellow (0%)
- Black (14%)





- Cyan (48%)
- Magenta (35%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6574, 0.2471, 0.2576 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 37.6574, 0.2471, 0.2576 by changing the saturation by 10% instead.


 37.6574, 0.2471,
0.2576


 37.6574, 0.2471,
0.2576


336.1480, 0.2803,
0.2936

 25.7169, 0.2388,
0.2487


 71.5827, 0.2592,
0.2707

 16.6120, 0.2283,
0.2373


 94.3363, 0.2637,
0.2756

 9.9582, 0.2144,
0.2223


 121.4631, 0.2675,
0.2797

 5.3713, 0.1954,
0.2020

153.3474, 0.2708,
0.2833

 2.4667, 0.1682,
0.1730

190.3736, 0.2737,
0.2864

 0.8599, 0.1279,
0.1303

232.9262, 0.2761,

 0.0000, 0.0000,

0.2891

0.0000

281.3896, 0.2783,
0.2915

■ 37.6574, 0.2471,
0.2576

■ 37.6574, 0.2471,
0.2576

■ 31.5176, 0.2300,
0.2356

■ 44.6565, 0.2644,
0.2782

■ 26.1950, 0.2137,
0.2126

■ 52.5457, 0.2813,
0.2971

■ 21.6500, 0.1987,
0.1892

■ 61.3594, 0.2977,
0.3141

■ 17.8369, 0.1859,
0.1664

■ 71.1287, 0.3131,
0.3294

■ 14.7038, 0.1758,
0.1449

■ 81.8833, 0.3275,
0.3428

■ 12.1721, 0.1682,
0.1255

■ 92.0211, 0.3352,
0.3552

■ 12.1124, 0.1681,
0.1250

■ 97.8963, 0.3339,
0.3641

Harmonies

Analogous

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



37.6574, 0.2308, 0.2737



37.6574, 0.2471, 0.2576



37.6574, 0.2807, 0.2592

Triad

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



37.6574, 0.2471, 0.2576



37.6574, 0.3980, 0.3411



37.6574, 0.2955, 0.3914

Complementary

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



37.6574, 0.2471, 0.2576



51.0215, 0.3870, 0.3908

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.



37.6574, 0.3404, 0.4104



37.6574, 0.2471, 0.2576



37.6574, 0.4014, 0.3764

Square

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



37.6574, 0.2471, 0.2576



37.6574, 0.3694, 0.3055



37.6574, 0.3796, 0.4030



37.6574, 0.2571, 0.3514

Rectangle

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



37.6574, 0.2471, 0.2576



37.6574, 0.3099, 0.2692



37.6574, 0.3796, 0.4030



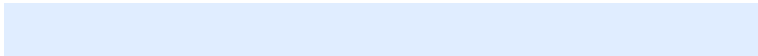
37.6574, 0.3104, 0.4007

Sweetspot

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



37.6588, 0.2471, 0.2576



83.5308, 0.2939, 0.3103



58.9949, 0.2778, 0.3778



17.5209, 0.2918, 0.3081



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.



37.6588, 0.2471, 0.2576



45.5614, 0.2322, 0.2386



27.1259, 0.2451, 0.2095



13.4726, 0.2982, 0.3146



7.3812, 0.1688, 0.1277



0.6442, 0.1779, 0.1602

Inverse Universe

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



34.3551, 0.3715, 0.2871



41.2962, 0.3909, 0.2783



66.3112, 0.3662, 0.4291



13.1379, 0.3229, 0.3196



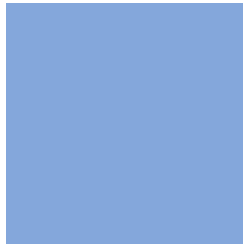
9.3689, 0.5358, 0.2725



0.6237, 0.4928, 0.2488

Previews

White Background



This preview shows how the Yxy color 37.6574, 0.2471, 0.2576 looks on a white background.

Color Contrast Check

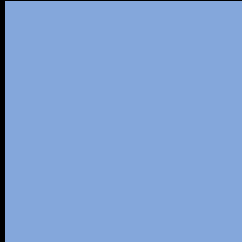
Large Text (above 18pt) WCAG AA × Fail

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 37.6574, 0.2471, 0.2576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

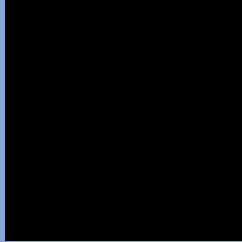
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

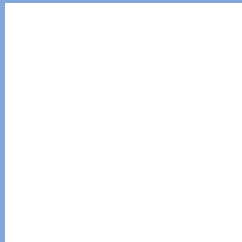
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.6574, 0.2471, 0.2576

Background



This preview shows how black text looks on a background with the Yxy color 37.6574, 0.2471, 0.2576.

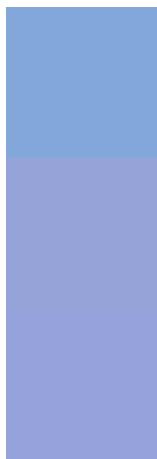


This preview shows how white text looks on a background with the Yxy color 37.6574, 0.2471, 0.2576.

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

37.6574, 0.2471, 0.2576

Protanopia

37.6363, 0.2609, 0.2579

Deuteranopia

37.4920, 0.2581, 0.2519



Tritanopia

37.7601, 0.2629, 0.3080

Trichromacy



Original Color

37.6574, 0.2471, 0.2576

Protanomaly

37.4003, 0.2553, 0.2572

Deuteranomaly

37.5579, 0.2534, 0.2537

Tritanomaly

37.7614, 0.2568, 0.2884

Monochromacy



Original Color

37.6574, 0.2471, 0.2576

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.5491, 0.2854, 0.3016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6574, 0.2471, 0.2576 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(132, 167, 219)` looks like.

```
.text, #text, p{  
    color:rgb(132, 167, 219)  
}
```

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(132, 167, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 167, 219) }
```

Border

The CSS property to change the border of an element to Yxy 37.6574, 0.2471, 0.2576 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(132, 167, 219) }
```

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

```
.border{ border-color:rgb(132, 167, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 167, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 167, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 167, 219);  
box-shadow:4px 4px 4px 4px rgb(132, 167,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6574, 0.2471, 0.2576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 167, 219) }
```

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

```
.background{ background-color: rgb(132,  
167, 219) }
```

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