

Converting Colors

$Yxy(37.5783, 0.2315, 0.2767)$

Have a look what the booklet for
Yxy(37.5783, 0.2315, 0.2767)
contains.

Yxy(37.5884, 0.2315, 0.2773)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.5884, 0.2315, 0.2773)

Conversions

Conversions Part 1

Format	Color
Hex	5CAFD2
RGB	92, 175, 210
RGB Percent	36%, 69%, 82%
CMY	0.6391, 0.3137, 0.1764
CMYK	0.56, 0.17, 0.00, 0.18
HSL	198°, 57%, 59%
HSV	198°, 56%, 82%
XYZ	31.3801, 37.5884, 66.5828
YIQ	154.1730, -60.7030, -6.7110

Conversions

Conversions Part 2

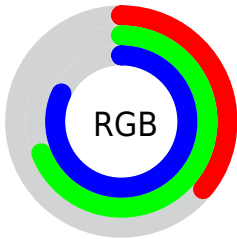
Format	Color
RYP	92, 141, 210
Decimal	6074322
CIELab	67.72, -15.27, -25.42
CIElCh	68, 29.654, 239.005
Yxy	37.5884, 0.2315, 0.2773
Android (android.graphics.Color)	4284264402 (0xFF5CAFD2)
YUV	154.1730, 27.5227, -54.5257
Hunter-Lab	61.3094, -15.9293, -21.4732

Details

The Yxy color **37.5884, 0.2315, 0.2773** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **29.6701, 0.4529, 0.3721**, and the grayscale version is **32.2963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8559, 0.2517, 0.3012**, and **16.4343, 0.2087, 0.2605** is the 20% darker color. If you saturate the color by 10%, you get **34.2827, 0.2204, 0.2662**, and if you desaturate by 10%, it is **41.3087, 0.2441, 0.2880**.

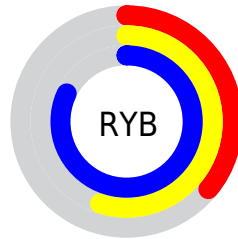
Distribution



Red (36%)

Green (69%)

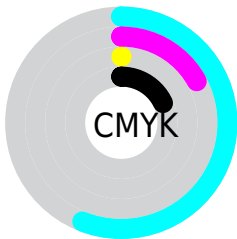
Blue (82%)



Red (36%)

Yellow (55%)

Blue (82%)

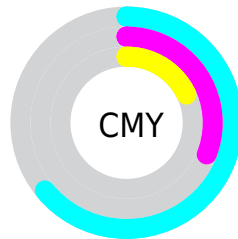


Cyan (56%)

Magenta (17%)

Yellow (0%)

Black (18%)



Cyan (64%)

Magenta (31%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5884, 0.2315, 0.2773 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 37.5884, 0.2315, 0.2773 by changing the saturation by 10% instead.

■ 37.5884, 0.2315,
0.2773

■ 37.5884, 0.2315,
0.2773

■ 335.8510, 0.2721,
0.3045

■ 25.6634, 0.2215,
0.2702

■ 71.4768, 0.2462,
0.2875

■ 16.5720, 0.2088,
0.2608

■ 94.2090, 0.2517,
0.2912

■ 9.9298, 0.1923,
0.2482

■ 121.3124, 0.2564,
0.2943

■ 5.3524, 0.1699,
0.2303

■ 153.1714, 0.2604,
0.2970

■ 2.4555, 0.1386,
0.2035

■ 190.1703, 0.2639,
0.2993

■ 0.8542, 0.0835,
0.1623

■ 232.6937, 0.2670,

■ 0.0000, 0.0000,

0.3013

0.0000

281.1258, 0.2697,
0.3030

■ 37.5884, 0.2315,
0.2773

■ 37.5884, 0.2315,
0.2773

■ 34.2827, 0.2204,
0.2662

■ 41.3087, 0.2441,
0.2880

■ 31.3605, 0.2111,
0.2550

■ 45.4633, 0.2580,
0.2981

■ 28.7919, 0.2038,
0.2437

■ 50.0756, 0.2727,
0.3076

■ 26.5383, 0.1985,
0.2326

■ 55.1657, 0.2879,
0.3164

■ 25.7329, 0.1968,
0.2284

■ 60.7522, 0.3032,
0.3244

■ 66.8528, 0.3185,
0.3317

■ 73.4841, 0.3335,
0.3381

■ 79.6916, 0.3444,
0.3441

■ 83.1212, 0.3433,
0.3502

Harmonies

Analogous

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



37.5884, 0.2369, 0.3118



37.5884, 0.2315, 0.2773



37.5884, 0.2456, 0.2595

Triad

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



37.5884, 0.2315, 0.2773



37.5884, 0.3645, 0.3026



37.5884, 0.3445, 0.4094

Complementary

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



37.5884, 0.2315, 0.2773



29.6701, 0.4529, 0.3721

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.



37.5884, 0.3817, 0.3999



37.5884, 0.2315, 0.2773



37.5884, 0.3947, 0.3372

Square

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



37.5884, 0.2315, 0.2773



37.5884, 0.3204, 0.2749



37.5884, 0.4008, 0.3724



37.5884, 0.3003, 0.3934

Rectangle

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



37.5884, 0.2315, 0.2773



37.5884, 0.2649, 0.2575



37.5884, 0.4008, 0.3724



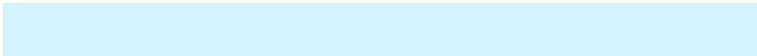
37.5884, 0.3582, 0.4089

Sweetspot

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



37.5898, 0.2315, 0.2773



84.7485, 0.2863, 0.3156



49.8701, 0.2873, 0.4592



17.7865, 0.2832, 0.3138



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.



37.5898, 0.2315, 0.2773



52.4348, 0.2188, 0.2645



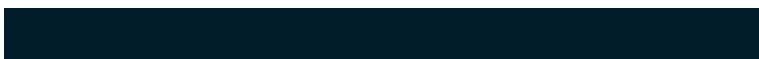
19.7938, 0.2123, 0.1869



12.7898, 0.2983, 0.3219



15.8768, 0.1972, 0.2300



1.0223, 0.2029, 0.2503

Inverse Universe

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



24.4596, 0.3603, 0.2310



31.9975, 0.3742, 0.2163



48.9465, 0.4090, 0.4375



11.9468, 0.3182, 0.3128



9.6740, 0.4126, 0.2047



0.5545, 0.3919, 0.1933

Previews

White Background



This preview shows how the Yxy color 37.5884, 0.2315, 0.2773 looks on a white background.

Color Contrast Check

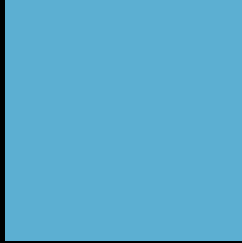
Large Text (above 18pt) WCAG AA × Fail

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 37.5884, 0.2315, 0.2773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

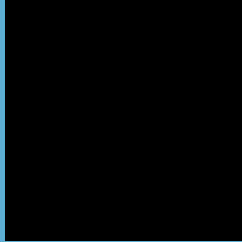
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5884, 0.2315, 0.2773

Background



This preview shows how black text looks on a background with the Yxy color 37.5884, 0.2315, 0.2773.



This preview shows how white text looks on a background with the Yxy color 37.5884, 0.2315, 0.2773.

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

37.5884, 0.2315, 0.2773

Protanopia

37.0263, 0.2750, 0.2754

Deuteranopia

37.1639, 0.2656, 0.2592



Tritanopia

37.5779, 0.2385, 0.3072

Trichromacy



Original Color

37.5884, 0.2315, 0.2773

Protanomaly

36.9026, 0.2563, 0.2763

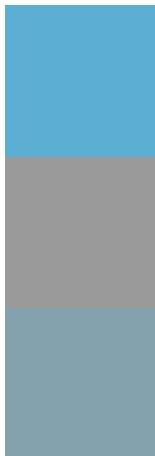
Deuteranomaly

36.8512, 0.2504, 0.2646

Tritanomaly

37.6425, 0.2359, 0.2954

Monochromacy



Original Color

37.5884, 0.2315, 0.2773

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.7219, 0.2755, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5884, 0.2315, 0.2773 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(92, 175, 210)` looks like.

```
.text, #text, p{  
    color:rgb(92, 175, 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(92, 175, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 175, 210) }
```

Border

The CSS property to change the border of an element to Yxy 37.5884, 0.2315, 0.2773 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(92, 175, 210) }
```

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

```
.border{ border-color:rgb(92, 175, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 175, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 175, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 175, 210);  
box-shadow:4px 4px 4px 4px rgb(92, 175,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5884, 0.2315, 0.2773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 175, 210) }
```

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

```
.background{ background-color: rgb(92, 175,  
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](#).

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