

Converting Colors

$Y_{xy}(37.7731, 0.2508, 0.2927)$

Have a look what the booklet for
Yxy(37.7731, 0.2508, 0.2927)
contains.

Yxy(37.6774, 0.2507, 0.2920)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.6774, 0.2507, 0.2920)

Conversions

Conversions Part 1

Format	Color
Hex	74ADC6
RGB	116, 173, 198
RGB Percent	45%, 68%, 78%
CMY	0.5448, 0.3216, 0.2234
CMYK	0.41, 0.13, 0.00, 0.22
HSL	198°, 42%, 62%
HSV	198°, 41%, 78%
XYZ	32.3484, 37.6774, 59.0064
YIQ	158.8070, -41.9970, -4.3090

Conversions

Conversions Part 2

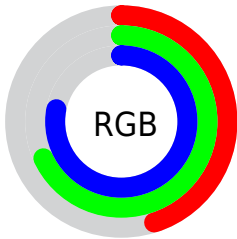
Format	Color
R _{YB}	116, 150, 198
Decimal	7646662
CIE Lab	67.78, -12.04, -18.61
CIE LCh	68, 22.160, 237.100
Yxy	37.6774, 0.2507, 0.2920
Android (android.graphics.Color)	4285836742 (0xFF74ADC6)
YUV	158.8070, 19.3221, -37.5417
Hunter-Lab	61.3819, -13.3486, -14.0281

Details

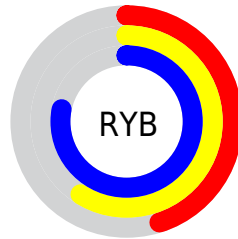
The Yxy color **37.6774, 0.2507, 0.2920** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.3546, 0.4033, 0.3625**, and the grayscale version is **34.5111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3647, 0.2618, 0.2986**, and **16.7125, 0.2331, 0.2811** is the 20% darker color. If you saturate the color by 10%, you get **34.1946, 0.2374, 0.2813**, and if you desaturate by 10%, it is **41.5575, 0.2650, 0.3021**.

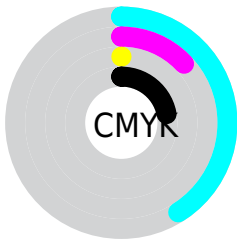
Distribution



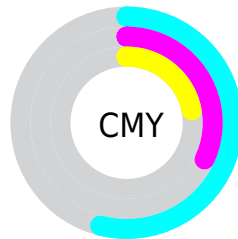
- Red (45%)
- Green (68%)
- Blue (78%)



- Red (45%)
- Yellow (59%)
- Blue (78%)



- Cyan (41%)
- Magenta (13%)
- Yellow (0%)
- Black (22%)




- Cyan (54%)
- Magenta (32%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6774, 0.2507, 0.2920 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 37.6774, 0.2507, 0.2920 by changing the saturation by 10% instead.


 37.6774, 0.2507,
0.2920


 37.6774, 0.2507,
0.2920


336.2341, 0.2821,
0.3115

 25.7324, 0.2428,
0.2868


 71.6134, 0.2621,
0.2993

 16.6236, 0.2327,
0.2800


 94.3732, 0.2664,
0.3020

 9.9665, 0.2192,
0.2707


 121.5067, 0.2700,
0.3043

 5.3767, 0.2006,
0.2572

153.3984, 0.2731,
0.3062

 2.4700, 0.1733,
0.2361

190.4325, 0.2758,
0.3078

 0.8615, 0.1230,
0.2018

232.9936, 0.2782,

 0.0000, 0.0000,

0.3092

0.0000

281.4660, 0.2802,
0.3104

■ 37.6774, 0.2507,
0.2920

■ 37.6774, 0.2507,
0.2920

■ 34.1946, 0.2374,
0.2813

■ 41.5575, 0.2650,
0.3021

■ 31.0847, 0.2254,
0.2701

■ 45.8488, 0.2800,
0.3115

■ 28.3272, 0.2150,
0.2586

■ 50.5696, 0.2953,
0.3201

■ 25.8970, 0.2066,
0.2470

■ 55.7359, 0.3106,
0.3280

■ 23.7645, 0.2002,
0.2354

■ 61.3624, 0.3257,
0.3350

■ 22.1190, 0.1960,
0.2256

■ 67.4634, 0.3404,
0.3413

■ 74.0523, 0.3546,
0.3468

■ 77.2551, 0.3535,
0.3529

■ 80.5150, 0.3522,
0.3589

Harmonies

Analogous

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



37.6774, 0.2560, 0.3188



37.6774, 0.2507, 0.2920



37.6774, 0.2607, 0.2769

Triad

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



37.6774, 0.2507, 0.2920



37.6774, 0.3495, 0.3076



37.6774, 0.3392, 0.3885

Complementary

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



37.6774, 0.2507, 0.2920



32.3546, 0.4033, 0.3625

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.



37.6774, 0.3661, 0.3816



37.6774, 0.2507, 0.2920



37.6774, 0.3727, 0.3343

Square

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



37.6774, 0.2507, 0.2920



37.6774, 0.3167, 0.2866



37.6774, 0.3788, 0.3612



37.6774, 0.3061, 0.3774

Rectangle

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



37.6774, 0.2507, 0.2920



37.6774, 0.2752, 0.2744



37.6774, 0.3788, 0.3612



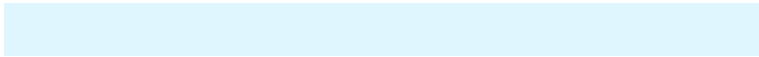
37.6774, 0.3493, 0.3881

Sweetspot

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



37.6789, 0.2507, 0.2920



88.8309, 0.2941, 0.3195



46.0297, 0.2914, 0.4166



18.7685, 0.2920, 0.3184



0.0000, 0.0000, 0.0000



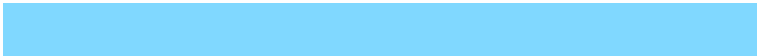
21.4041, 0.3127, 0.3290

Same Dimension

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



37.6789, 0.2507, 0.2920



60.9065, 0.2382, 0.2820



24.4260, 0.2405, 0.2284



11.4995, 0.2984, 0.3218



14.5379, 0.1964, 0.2272



0.8120, 0.2030, 0.2509

Inverse Universe

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



27.5342, 0.3450, 0.2561



41.5285, 0.3551, 0.2406



46.5775, 0.3816, 0.4124



10.7593, 0.3183, 0.3131



9.0076, 0.4156, 0.2063



0.4390, 0.3913, 0.1929

Previews

White Background



This preview shows how the Yxy color 37.6774, 0.2507, 0.2920 looks on a white background.

Color Contrast Check

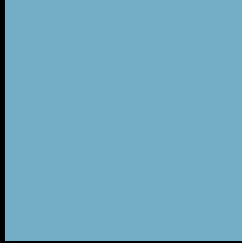
Large Text (above 18pt) WCAG AA × Fail

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 37.6774, 0.2507, 0.2920 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 37.6774, 0.2507, 0.2920

Background



This preview shows how black text looks on a background with the Yxy color 37.6774, 0.2507, 0.2920.



This preview shows how white text looks on a background with the Yxy color 37.6774, 0.2507, 0.2920.

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

37.6774, 0.2507, 0.2920

Protanopia

37.3269, 0.2860, 0.2901

Deuteranopia

37.3882, 0.2807, 0.2748



Tritanopia

37.8448, 0.2547, 0.3078

Trichromacy



Original Color

37.6774, 0.2507, 0.2920

Protanomaly

37.3721, 0.2711, 0.2904

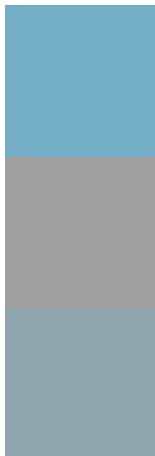
Deuteranomaly

37.1001, 0.2682, 0.2798

Tritanomaly

37.6553, 0.2533, 0.3019

Monochromacy



Original Color

37.6774, 0.2507, 0.2920

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.4077, 0.2864, 0.3155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6774, 0.2507, 0.2920 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(116, 173, 198)` looks like.

```
.text, #text, p{  
    color:rgb(116, 173, 198)  
}
```

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(116, 173, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 173, 198) }
```

Border

The CSS property to change the border of an element to Yxy 37.6774, 0.2507, 0.2920 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(116, 173, 198) }
```

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

```
.border{ border-color:rgb(116, 173, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 173, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 173, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 173, 198);  
box-shadow:4px 4px 4px 4px rgb(116, 173,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6774, 0.2507, 0.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 173, 198) }
```

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

```
.background{ background-color: rgb(116,  
173, 198) }
```

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