

Converting Colors

$Y_{xy}(37.8755, 0.2684, 0.3082)$

Have a look what the booklet for
Yxy(37.8755, 0.2684, 0.3082)
contains.

Yxy(37.8755, 0.2684, 0.3082)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.8755, 0.2684, 0.3082)

Conversions

Conversions Part 1

Format	Color
Hex	83ACBA
RGB	131, 172, 186
RGB Percent	51%, 67%, 73%
CMY	0.4860, 0.3255, 0.2705
CMYK	0.30, 0.08, 0.00, 0.27
HSL	195°, 28%, 62%
HSV	195°, 30%, 73%
XYZ	32.9844, 37.8755, 52.0327
YIQ	161.3370, -28.9300, -4.3380

Conversions

Conversions Part 2

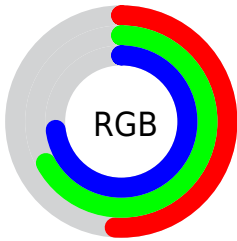
Format	Color
RYB	131, 154, 186
Decimal	8629434
CIELab	67.93, -10.40, -11.66
CIElCh	68, 15.620, 228.278
Yxy	37.8755, 0.2684, 0.3082
Android (android.graphics.Color)	4286819514 (0xFF83ACBA)
YUV	161.3370, 12.1589, -26.6055
Hunter-Lab	61.5431, -12.0323, -7.0477

Details

The Yxy color **37.8755, 0.2684, 0.3082** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.3614, 0.3718, 0.3488**, and the grayscale version is **35.7650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6633, 0.2765, 0.3120**, and **16.7887, 0.2547, 0.3017** is the 20% darker color. If you saturate the color by 10%, you get **34.7466, 0.2544, 0.3000**, and if you desaturate by 10%, it is **41.3387, 0.2831, 0.3159**.

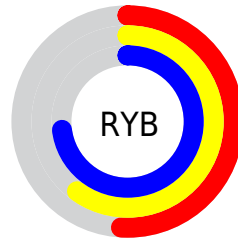
Distribution



Red (51%)

Green (67%)

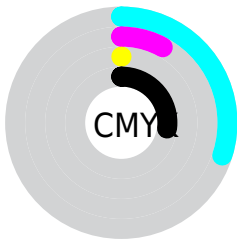
Blue (73%)



Red (51%)

Yellow (60%)

Blue (73%)

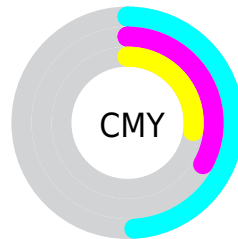


Cyan (30%)

Magenta (8%)

Yellow (0%)

Black (27%)



Cyan (49%)

Magenta (33%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8755, 0.2684, 0.3082 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 37.8755, 0.2684, 0.3082 by changing the saturation by 10% instead.

■ 37.8755, 0.2684,
0.3082

■ 37.8755, 0.2684,
0.3082

■ 337.0856, 0.2910,
0.3193

■ 25.8861, 0.2626,
0.3052

■ 71.9173, 0.2767,
0.3124

■ 16.7384, 0.2552,
0.3013

■ 94.7384, 0.2798,
0.3139

■ 10.0482, 0.2451,
0.2958

■ 121.9389, 0.2824,
0.3152

■ 5.4309, 0.2309,
0.2877

■ 153.9032, 0.2846,
0.3162

■ 2.5022, 0.2093,
0.2747

■ 191.0156, 0.2865,
0.3171

■ 0.8778, 0.1671,
0.2526

■ 233.6605, 0.2882,

■ 0.0000, 0.0000,

0.3179

0.0000

282.2224, 0.2897,
0.3186

■ 37.8755, 0.2684,
0.3082

■ 37.8755, 0.2684,
0.3082

■ 34.7466, 0.2544,
0.3000

■ 41.3387, 0.2831,
0.3159

■ 31.9325, 0.2415,
0.2913

■ 45.1456, 0.2982,
0.3229

■ 29.4184, 0.2299,
0.2822

■ 49.3105, 0.3134,
0.3293

■ 27.1865, 0.2200,
0.2728

■ 53.8458, 0.3285,
0.3350

■ 25.2162, 0.2119,
0.2633

■ 58.7630, 0.3433,
0.3402

■ 23.4836, 0.2058,
0.2538

■ 64.0732, 0.3577,
0.3447

■ 21.9441, 0.2013,
0.2445

■ 68.5763, 0.3664,
0.3490

■ 21.8749, 0.2011,
0.2440

■ 70.8859, 0.3651,
0.3539

■ 73.2651, 0.3639,
0.3586

Harmonies

Analogous

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



37.8755, 0.2756, 0.3288



37.8755, 0.2684, 0.3082



37.8755, 0.2725, 0.2943

Triad

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



37.8755, 0.2684, 0.3082



37.8755, 0.3323, 0.3088



37.8755, 0.3380, 0.3704

Complementary

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



37.8755, 0.2684, 0.3082



32.3614, 0.3718, 0.3488

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.



37.8755, 0.3542, 0.3630



37.8755, 0.2684, 0.3082



37.8755, 0.3511, 0.3274

Square

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



37.8755, 0.2684, 0.3082



37.8755, 0.3087, 0.2953



37.8755, 0.3592, 0.3471



37.8755, 0.3153, 0.3660

Rectangle

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



37.8755, 0.2684, 0.3082



37.8755, 0.2811, 0.2903



37.8755, 0.3592, 0.3471



37.8755, 0.3444, 0.3692

Sweetspot

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



37.8770, 0.2684, 0.3082



82.0973, 0.2988, 0.3232



41.9923, 0.2989, 0.3919



17.8471, 0.2966, 0.3222



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



37.8770, 0.2684, 0.3082



65.1459, 0.2598, 0.3033



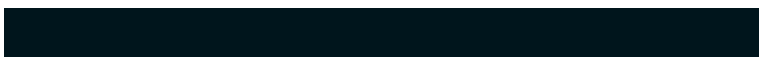
28.5684, 0.2638, 0.2660



9.8120, 0.2985, 0.3230



14.8398, 0.2015, 0.2453



0.6164, 0.2082, 0.2694

Inverse Universe

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



29.6705, 0.3306, 0.2738



48.3918, 0.3353, 0.2624



41.6918, 0.3615, 0.3848



9.1225, 0.3175, 0.3121



8.2804, 0.3970, 0.1960



0.3013, 0.3734, 0.1831

Previews

White Background



This preview shows how the Yxy color 37.8755, 0.2684, 0.3082 looks on a white background.

Color Contrast Check

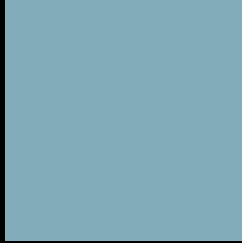
Large Text (above 18pt) WCAG AA × Fail

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 37.8755, 0.2684, 0.3082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

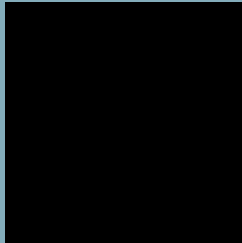
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

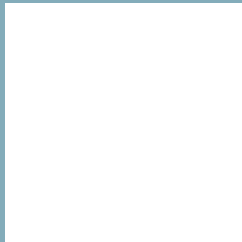
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.8755, 0.2684, 0.3082

Background



This preview shows how black text looks on a background with the Yxy color 37.8755, 0.2684, 0.3082.



This preview shows how white text looks on a background with the Yxy color 37.8755, 0.2684, 0.3082.

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

37.8755, 0.2684, 0.3082

Protanopia

37.6736, 0.2975, 0.3052

Deuteranopia

37.6666, 0.2979, 0.2922



Tritanopia

37.8755, 0.2684, 0.3082

Trichromacy



Original Color

37.8755, 0.2684, 0.3082

Protanomaly

37.6356, 0.2857, 0.3060

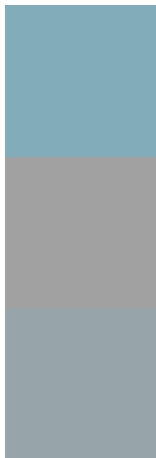
Deuteranomaly

37.5660, 0.2866, 0.2980

Tritanomaly

37.8755, 0.2684, 0.3082

Monochromacy



Original Color

37.8755, 0.2684, 0.3082

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.2966, 0.2949, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8755, 0.2684, 0.3082 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(131, 172, 186)` looks like.

```
.text, #text, p{  
    color:rgb(131, 172, 186)  
}
```

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(131, 172, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 172, 186) }
```

Border

The CSS property to change the border of an element to Yxy 37.8755, 0.2684, 0.3082 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(131, 172, 186) }
```

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

```
.border{ border-color:rgb(131, 172, 186) }
```

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

Here you see how a box with a 4 pixel rgb(131, 172, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 172, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 172, 186);  
box-shadow:4px 4px 4px 4px rgb(131, 172,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8755, 0.2684, 0.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 172, 186) }
```

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

```
.background{ background-color: rgb(131,  
172, 186) }
```

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