

Converting Colors

$Yxy(37.6988, 0.2602, 0.3051)$

Have a look what the booklet for
Yxy(37.6988, 0.2602, 0.3051)
contains.

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Color

Yxy(37.6988, 0.2602, 0.3051)

Conversions

Conversions Part 1

Format	Color
Hex	7AADBBD
RGB	122, 173, 189
RGB Percent	48%, 68%, 74%
CMY	0.5216, 0.3215, 0.2589
CMYK	0.35, 0.08, 0.00, 0.26
HSL	194°, 34%, 61%
HSV	194°, 35%, 74%
XYZ	32.1509, 37.6988, 53.7124
YIQ	159.5750, -35.5320, -5.8360

Conversions

Conversions Part 2

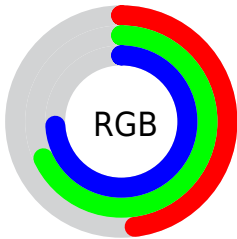
Format	Color
RYB	122, 151, 189
Decimal	8039869
CIELab	67.80, -12.82, -13.55
CIElCh	68, 18.651, 226.590
Yxy	37.6988, 0.2602, 0.3051
Android (android.graphics.Color)	4286229949 (0xFF7AADBBD)
YUV	159.5750, 14.5065, -32.9533
Hunter-Lab	61.3993, -13.9800, -8.8876

Details

The Yxy color **37.6988, 0.2602, 0.3051** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.3839, 0.3883, 0.3514**, and the grayscale version is **34.8912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4265, 0.2703, 0.3096**, and **16.7544, 0.2450, 0.2973** is the 20% darker color. If you saturate the color by 10%, you get **34.7539, 0.2470, 0.2972**, and if you desaturate by 10%, it is **40.9731, 0.2744, 0.3126**.

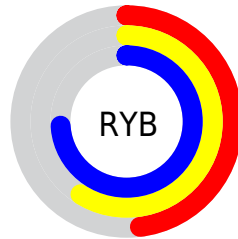
Distribution



Red (48%)

Green (68%)

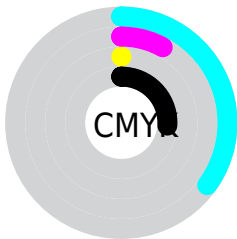
Blue (74%)



Red (48%)

Yellow (59%)

Blue (74%)

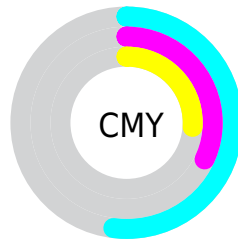


Cyan (35%)

Magenta (8%)

Yellow (0%)

Black (26%)



Cyan (52%)


Magenta (32%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6988, 0.2602, 0.3051 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 37.6988, 0.2602, 0.3051 by changing the saturation by 10% instead.

 37.6988, 0.2602,
0.3051


 37.6988, 0.2602,
0.3051


336.3261, 0.2869,
0.3179

 25.7490, 0.2534,
0.3016


 71.6462, 0.2700,
0.3099

 16.6360, 0.2447,
0.2970


 94.4127, 0.2736,
0.3117

 9.9753, 0.2329,
0.2907


 121.5534, 0.2767,
0.3132

 5.3826, 0.2165,
0.2812

153.4529, 0.2793,
0.3144

 2.4734, 0.1918,
0.2660

190.4956, 0.2816,
0.3155

 0.8633, 0.1416,
0.2409

233.0657, 0.2836,

 0.0000, 0.0000,

0.3164

0.0000

281.5478, 0.2853,
0.3172

■ 37.6988, 0.2602,
0.3051

■ 37.6988, 0.2602,
0.3051

■ 34.7539, 0.2470,
0.2972

■ 40.9731, 0.2744,
0.3126

■ 32.1179, 0.2350,
0.2888

■ 44.5873, 0.2892,
0.3195

■ 29.7743, 0.2246,
0.2802

■ 48.5567, 0.3044,
0.3258

■ 27.7033, 0.2160,
0.2714

■ 52.8944, 0.3196,
0.3315

■ 25.8817, 0.2094,
0.2626

■ 57.6127, 0.3347,
0.3367

■ 24.2813, 0.2046,
0.2539

■ 62.7232, 0.3494,
0.3412

■ 23.5997, 0.2028,
0.2499

■ 68.2372, 0.3637,
0.3453

■ 70.5554, 0.3631,
0.3498

■ 72.7977, 0.3620,
0.3544

Harmonies

Analogous

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



37.6988, 0.2694, 0.3300



37.6988, 0.2602, 0.3051



37.6988, 0.2642, 0.2882

Triad

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



37.6988, 0.2602, 0.3051



37.6988, 0.3346, 0.3039



37.6988, 0.3441, 0.3785

Complementary

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



37.6988, 0.2602, 0.3051



30.3839, 0.3883, 0.3514

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.



37.6988, 0.3631, 0.3686



37.6988, 0.2602, 0.3051



37.6988, 0.3577, 0.3256

Square

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



37.6988, 0.2602, 0.3051



37.6988, 0.3062, 0.2885



37.6988, 0.3683, 0.3490



37.6988, 0.3172, 0.3743

Rectangle

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



37.6988, 0.2602, 0.3051



37.6988, 0.2740, 0.2832



37.6988, 0.3683, 0.3490



37.6988, 0.3517, 0.3766

Sweetspot

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



37.7003, 0.2602, 0.3051



82.8376, 0.2957, 0.3223



42.3456, 0.2971, 0.4088



17.6096, 0.2936, 0.3214



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.



37.7003, 0.2602, 0.3051



63.1500, 0.2492, 0.2986



26.5217, 0.2531, 0.2527



10.4136, 0.2985, 0.3234



16.0055, 0.2031, 0.2511



0.7219, 0.2089, 0.2718

Inverse Universe

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



27.7486, 0.3339, 0.2611



43.1493, 0.3404, 0.2457



41.3889, 0.3729, 0.3949



9.6563, 0.3173, 0.3117



8.6455, 0.3912, 0.1929



0.3482, 0.3711, 0.1818

Previews

White Background



This preview shows how the Yxy color 37.6988, 0.2602, 0.3051 looks on a white background.

Color Contrast Check

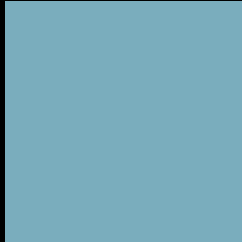
Large Text (above 18pt) WCAG AA × Fail

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 37.6988, 0.2602, 0.3051 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

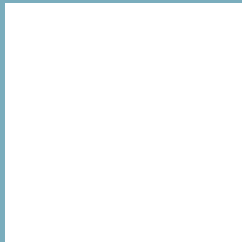
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.6988, 0.2602, 0.3051

Background



This preview shows how black text looks on a background with the Yxy color 37.6988, 0.2602, 0.3051.



This preview shows how white text looks on a background with the Yxy color 37.6988, 0.2602, 0.3051.

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

37.6988, 0.2602, 0.3051

Protanopia

37.2947, 0.2949, 0.3010

Deuteranopia

37.6203, 0.2929, 0.2869



Tritanopia

37.6126, 0.2615, 0.3079

Trichromacy



Original Color

37.6988, 0.2602, 0.3051

Protanomaly

37.3433, 0.2808, 0.3030

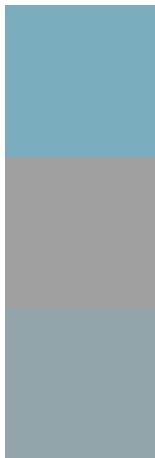
Deuteranomaly

37.2512, 0.2794, 0.2922

Tritanomaly

37.6556, 0.2608, 0.3065

Monochromacy



Original Color

37.6988, 0.2602, 0.3051

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

35.9615, 0.2906, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6988, 0.2602, 0.3051 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(122, 173, 189)` looks like.

```
.text, #text, p{  
    color:rgb(122, 173, 189)  
}
```

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(122, 173, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 173, 189) }
```

Border

The CSS property to change the border of an element to Yxy 37.6988, 0.2602, 0.3051 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(122, 173, 189) }
```

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

```
.border{ border-color:rgb(122, 173, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 173, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 173, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 173, 189);  
box-shadow:4px 4px 4px 4px rgb(122, 173,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6988, 0.2602, 0.3051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 173, 189) }
```

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

```
.background{ background-color: rgb(122,  
173, 189) }
```

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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