

Converting Colors

$Yxy(37.5675, 0.2473, 0.3056)$

Have a look what the booklet for
Yxy(37.5675, 0.2473, 0.3056)
contains.

Yxy(37.6370, 0.2472, 0.3060)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.6370, 0.2472, 0.3060)

Conversions

Conversions Part 1

Format	Color
Hex	66B0BF
RGB	102, 176, 191
RGB Percent	40%, 69%, 75%
CMY	0.6002, 0.3098, 0.2510
CMYK	0.47, 0.08, 0.00, 0.25
HSL	190°, 41%, 57%
HSV	190°, 47%, 75%
XYZ	30.4048, 37.6370, 54.9549
YIQ	155.5840, -48.9190, -11.0230

Conversions

Conversions Part 2

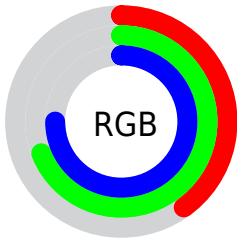
Format	Color
RYB	102, 142, 191
Decimal	6729919
CIELab	67.75, -19.04, -14.84
CIElCh	68, 24.142, 217.922
Yxy	37.6370, 0.2472, 0.3060
Android (android.graphics.Color)	4284919999 (0xFF66B0BF)
YUV	155.5840, 17.4601, -46.9932
Hunter-Lab	61.3490, -18.8955, -10.1662

Details

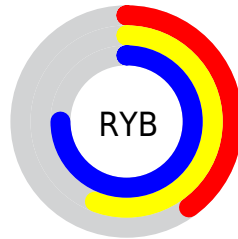
The Yxy color **37.6370, 0.2472, 0.3060** is a light color, and the websafe version is hex **669999**. A complement of this color would be **24.7458, 0.4275, 0.3499**, and the grayscale version is **32.9840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6977, 0.2596, 0.3116**, and **16.5364, 0.2277, 0.2963** is the 20% darker color. If you saturate the color by 10%, you get **35.4022, 0.2363, 0.3002**, and if you desaturate by 10%, it is **40.1616, 0.2596, 0.3116**.

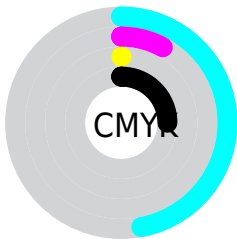
Distribution



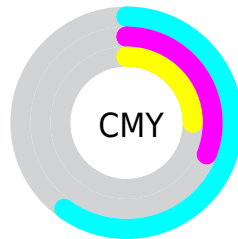
- Red (40%)
- Green (69%)
- Blue (75%)



- Red (40%)
- Yellow (56%)
- Blue (75%)



- Cyan (47%)
- Magenta (8%)
- Yellow (0%)
- Black (25%)



- Cyan (60%)
- Magenta (31%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6370, 0.2472, 0.3060 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 37.6370, 0.2472, 0.3060 by changing the saturation by 10% instead.


 37.6370, 0.2472,
0.3060


 37.6370, 0.2472,
0.3060


336.0602, 0.2803,
0.3186


 25.7011, 0.2389,
0.3025


 71.5514, 0.2593,
0.3108

 16.6001, 0.2282,
0.2978


 94.2987, 0.2638,
0.3126

 9.9498, 0.2139,
0.2911


 121.4185, 0.2676,
0.3140

 5.3657, 0.1942,
0.2812

 153.2954, 0.2709,
0.3152

 2.4634, 0.1652,
0.2648

190.3135, 0.2737,
0.3163

 0.8582, 0.0982,
0.2402

232.8575, 0.2762,

 0.0000, 0.0000,

0.3172

0.0000

281.3116, 0.2784,
0.3179

■ 37.6370, 0.2472,
0.3060

■ 37.6370, 0.2472,
0.3060

■ 35.4022, 0.2363,
0.3002

■ 40.1616, 0.2596,
0.3116

■ 33.4348, 0.2271,
0.2943

■ 42.9881, 0.2732,
0.3168

■ 31.7158, 0.2197,
0.2882


■ 46.1330, 0.2876,
0.3217


■ 30.2215, 0.2142,
0.2822


■ 49.6103, 0.3026,
0.3262

■ 28.9203, 0.2106,
0.2763


■ 53.4331, 0.3179,
0.3303

 28.5040, 0.2095,
0.2743

 57.6138, 0.3332,
0.3340

 62.1641, 0.3484,
0.3374

 67.0950, 0.3632,
0.3403

 68.6638, 0.3626,
0.3436

Harmonies

Analogous

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



37.6370, 0.2632, 0.3402



37.6370, 0.2472, 0.3060



37.6370, 0.2475, 0.2811

Triad

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



37.6370, 0.2472, 0.3060



37.6370, 0.3304, 0.2902



37.6370, 0.3615, 0.3911

Complementary

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



37.6370, 0.2472, 0.3060



24.7458, 0.4275, 0.3499

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.



37.6370, 0.3819, 0.3730



37.6370, 0.2472, 0.3060



37.6370, 0.3637, 0.3157

Square

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



37.6370, 0.2472, 0.3060



37.6370, 0.2937, 0.2739



37.6370, 0.3830, 0.3454



37.6370, 0.3286, 0.3921

Rectangle

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



37.6370, 0.2472, 0.3060



37.6370, 0.2568, 0.2722



37.6370, 0.3830, 0.3454



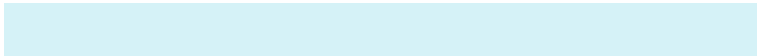
37.6370, 0.3701, 0.3866

Sweetspot

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



37.6384, 0.2472, 0.3060



84.0597, 0.2912, 0.3228



41.3655, 0.2969, 0.4497



18.1707, 0.2879, 0.3218



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



37.6384, 0.2472, 0.3060



63.3028, 0.2360, 0.3001



22.9879, 0.2341, 0.2332



10.5286, 0.2985, 0.3250



18.8334, 0.2098, 0.2751



0.8114, 0.2137, 0.2893

Inverse Universe

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



23.7054, 0.3352, 0.2332



36.1230, 0.3416, 0.2150



37.6375, 0.3978, 0.4082



9.6679, 0.3163, 0.3101



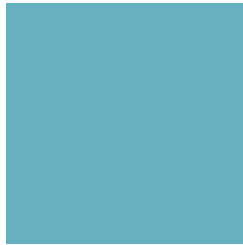
8.9309, 0.3680, 0.1801



0.3573, 0.3550, 0.1729

Previews

White Background



This preview shows how the Yxy color 37.6370, 0.2472, 0.3060 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 37.6370, 0.2472, 0.3060 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 37.6370, 0.2472, 0.3060

Background



This preview shows how black text looks on a background with the Yxy color 37.6370, 0.2472, 0.3060.



This preview shows how white text looks on a background with the Yxy color 37.6370, 0.2472, 0.3060.

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

37.6370, 0.2472, 0.3060

Protanopia

37.2947, 0.2949, 0.3010

Deuteranopia

37.1436, 0.2895, 0.2827



Tritanopia

37.5932, 0.2478, 0.3075

Trichromacy



Original Color

37.6370, 0.2472, 0.3060

Protanomaly

37.1259, 0.2746, 0.3027

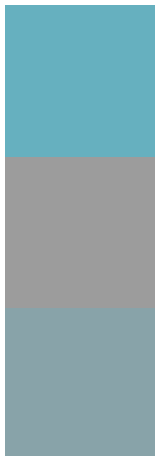
Deuteranomaly

36.9623, 0.2717, 0.2903

Tritanomaly

37.5932, 0.2478, 0.3075

Monochromacy



Original Color

37.6370, 0.2472, 0.3060

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.2932, 0.2835, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6370, 0.2472, 0.3060 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(102, 176, 191)` looks like.

```
.text, #text, p{  
    color:rgb(102, 176, 191)  
}
```

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(102, 176, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 176, 191) }
```

Border

The CSS property to change the border of an element to Yxy 37.6370, 0.2472, 0.3060 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(102, 176, 191) }
```

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

```
.border{ border-color:rgb(102, 176, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 176, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 176, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 176, 191);  
box-shadow:4px 4px 4px 4px rgb(102, 176,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6370, 0.2472, 0.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 176, 191) }
```

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

```
.background{ background-color: rgb(102,  
176, 191) }
```

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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