

Converting Colors

$Yxy(37.7584, 0.2434, 0.3058)$

Have a look what the booklet for
Yxy(37.7584, 0.2434, 0.3058)
contains.

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Color

Yxy(37.7368, 0.2437, 0.3059)

Conversions

Conversions Part 1

Format	Color
Hex	60B1C0
RGB	96, 177, 192
RGB Percent	38%, 69%, 75%
CMY	0.6233, 0.3059, 0.2471
CMYK	0.50, 0.08, 0.00, 0.25
HSL	189°, 43%, 56%
HSV	189°, 50%, 75%
XYZ	30.0636, 37.7368, 55.5628
YIQ	154.4910, -53.0910, -12.5070

Conversions

Conversions Part 2

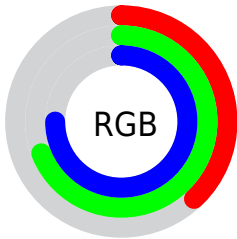
Format	Color
RYB	96, 140, 192
Decimal	6336960
CIELab	67.83, -20.65, -15.29
CIElCh	68, 25.695, 216.530
Yxy	37.7368, 0.2437, 0.3059
Android (android.graphics.Color)	4284527040 (0xFF60B1C0)
YUV	154.4910, 18.4919, -51.2966
Hunter-Lab	61.4303, -20.1462, -10.6257

Details

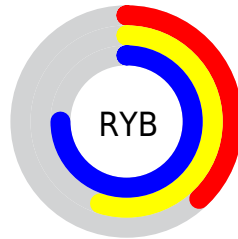
The Yxy color **37.7368, 0.2437, 0.3059** is a light color, and the websafe version is hex **669999**. A complement of this color would be **23.4309, 0.4408, 0.3496**, and the grayscale version is **32.4826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8274, 0.2568, 0.3115**, and **16.6195, 0.2232, 0.2961** is the 20% darker color. If you saturate the color by 10%, you get **35.6478, 0.2335, 0.3005**, and if you desaturate by 10%, it is **40.1091, 0.2555, 0.3111**.

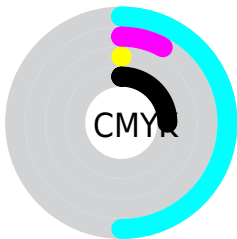
Distribution



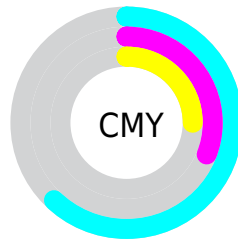
- Red (38%)
- Green (69%)
- Blue (75%)



- Red (38%)
- Yellow (55%)
- Blue (75%)



- Cyan (50%)
- Magenta (8%)
- Yellow (0%)
- Black (25%)





- Cyan (62%)
- Magenta (31%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7368, 0.2437, 0.3059 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 37.7368, 0.2437, 0.3059 by changing the saturation by 10% instead.


 37.7368, 0.2437,
0.3059


 37.7368, 0.2437,
0.3059


336.4896, 0.2785,
0.3187

 25.7785, 0.2350,
0.3023


 71.7045, 0.2564,
0.3108


 16.6580, 0.2238,
0.2975


 94.4827, 0.2611,
0.3126

 9.9909, 0.2089,
0.2907


 121.6364, 0.2652,
0.3140

 5.3930, 0.1884,
0.2805

 153.5498, 0.2686,
0.3153

 2.4796, 0.1586,
0.2638

190.6075, 0.2716,
0.3163

 0.8664, 0.0881,
0.2391

233.1937, 0.2742,

 0.0000, 0.0000,

0.3172

0.0000

281.6929, 0.2765,
0.3180

■ 37.7368, 0.2437,
0.3059

■ 37.7368, 0.2437,
0.3059

■ 35.6478, 0.2335,
0.3005

■ 40.1091, 0.2555,
0.3111

■ 33.8187, 0.2250,
0.2950

■ 42.7775, 0.2686,
0.3161

■ 32.2294, 0.2185,
0.2894

■ 45.7589, 0.2827,
0.3207

■ 30.8544, 0.2138,
0.2839

■ 49.0680, 0.2975,
0.3251

■ 29.6439, 0.2107,
0.2784

■ 52.7183, 0.3128,
0.3290

■ 29.6401, 0.2107,
0.2784

■ 56.7223, 0.3281,
0.3326

■ 61.0922, 0.3434,
0.3358

■ 65.8394, 0.3585,
0.3386

■ 68.2530, 0.3621,
0.3416

Harmonies

Analogous

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



37.7368, 0.2613, 0.3426



37.7368, 0.2437, 0.3059



37.7368, 0.2432, 0.2789

Triad

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



37.7368, 0.2437, 0.3059



37.7368, 0.3296, 0.2869



37.7368, 0.3659, 0.3944

Complementary

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



37.7368, 0.2437, 0.3059



23.4309, 0.4408, 0.3496

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.



37.7368, 0.3868, 0.3743



37.7368, 0.2437, 0.3059



37.7368, 0.3656, 0.3134

Square

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



37.7368, 0.2437, 0.3059



37.7368, 0.2908, 0.2701



37.7368, 0.3870, 0.3447



37.7368, 0.3312, 0.3967

Rectangle

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



37.7368, 0.2437, 0.3059



37.7368, 0.2525, 0.2691



37.7368, 0.3870, 0.3447



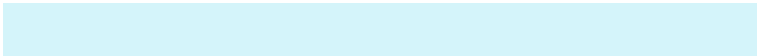
37.7368, 0.3748, 0.3893

Sweetspot

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



37.7382, 0.2437, 0.3059



85.6808, 0.2897, 0.3228



41.3208, 0.2970, 0.4627



18.1117, 0.2865, 0.3219



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.



37.7382, 0.2437, 0.3059



64.2486, 0.2326, 0.2999



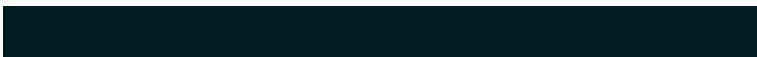
22.1632, 0.2287, 0.2275



11.1516, 0.2984, 0.3253



20.0401, 0.2109, 0.2791



0.9397, 0.2143, 0.2913

Inverse Universe

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



22.7556, 0.3359, 0.2257



34.9287, 0.3423, 0.2071



36.6461, 0.4060, 0.4116



10.2196, 0.3161, 0.3098



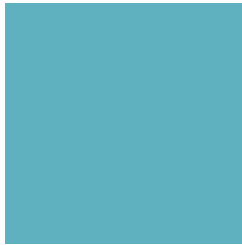
9.3053, 0.3643, 0.1781



0.4095, 0.3532, 0.1719

Previews

White Background



This preview shows how the Yxy color 37.7368, 0.2437, 0.3059 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 37.7368, 0.2437, 0.3059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

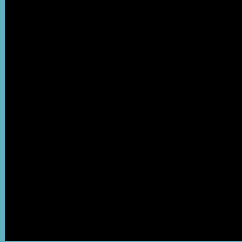
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7368, 0.2437, 0.3059

Background



This preview shows how black text looks on a background with the Yxy color 37.7368, 0.2437, 0.3059.



This preview shows how white text looks on a background with the Yxy color 37.7368, 0.2437, 0.3059.

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

37.7368, 0.2437, 0.3059

Protanopia

37.2947, 0.2949, 0.3010

Deuteranopia

37.4746, 0.2871, 0.2815



Tritanopia

37.6927, 0.2442, 0.3074

Trichromacy



Original Color

37.7368, 0.2437, 0.3059

Protanomaly

36.9537, 0.2730, 0.3026

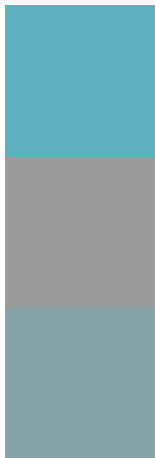
Deuteranomaly

37.1530, 0.2681, 0.2889

Tritanomaly

37.6927, 0.2442, 0.3074

Monochromacy



Original Color

37.7368, 0.2437, 0.3059

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.0899, 0.2826, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7368, 0.2437, 0.3059 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(96, 177, 192)` looks like.

```
.text, #text, p{  
    color:rgb(96, 177, 192)  
}
```

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(96, 177, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 177, 192) }
```

Border

The CSS property to change the border of an element to Yxy 37.7368, 0.2437, 0.3059 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(96, 177, 192) }
```

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

```
.border{ border-color:rgb(96, 177, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 177, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 177, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 177, 192);  
box-shadow:4px 4px 4px 4px rgb(96, 177,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7368, 0.2437, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 177, 192) }
```

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

```
.background{ background-color: rgb(96, 177,  
192) }
```

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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