

Converting Colors

$Yxy(37.7484, 0.2766, 0.4234)$

Have a look what the booklet for
Yxy(37.7484, 0.2766, 0.4234)
contains.

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Color

$\text{Yxy}(37.7050, 0.2768, 0.4231)$

Conversions

Conversions Part 1

Format	Color
Hex	53B881
RGB	83, 184, 129
RGB Percent	33%, 72%, 51%
CMY	0.6747, 0.2784, 0.4941
CMYK	0.55, 0.00, 0.30, 0.28
HSL	147°, 42%, 52%
HSV	147°, 55%, 72%
XYZ	24.6673, 37.7050, 26.7437
YIQ	147.5310, -42.5410, -38.5170

Conversions

Conversions Part 2

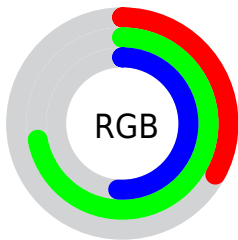
Format	Color
RYB	83, 152, 184
Decimal	5486721
CIELab	67.80, -42.29, 19.24
CIELCh	68, 46.456, 155.540
Yxy	37.7050, 0.2768, 0.4231
Android (android.graphics.Color)	4283676801 (0xFF53B881)
YUV	147.5310, -9.1358, -56.5937
Hunter-Lab	61.4044, -35.7508, 17.1602

Details

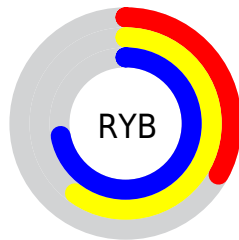
The Yxy color **37.7050, 0.2768, 0.4231** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **18.2067, 0.3825, 0.2537**, and the grayscale version is **29.4576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8634, 0.2849, 0.4037**, and **16.6153, 0.2635, 0.4580** is the 20% darker color. If you saturate the color by 10%, you get **36.7246, 0.2736, 0.4441**, and if you desaturate by 10%, it is **38.9366, 0.2815, 0.4028**.

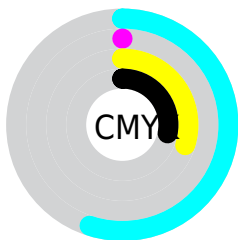
Distribution



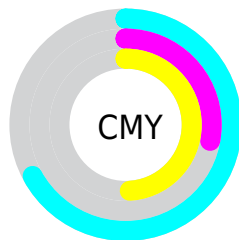
- Red (33%)
- Green (72%)
- Blue (51%)



- Red (33%)
- Yellow (60%)
- Blue (72%)



- Cyan (55%)
- Magenta (0%)
- Yellow (30%)
- Black (28%)





- Cyan (67%)
- Magenta (28%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7050, 0.2768, 0.4231 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 37.7050, 0.2768, 0.4231 by changing the saturation by 10% instead.


 37.7050, 0.2768,
0.4231


 37.7050, 0.2768,
0.4231


336.3528, 0.2967,
0.3716

 25.7538, 0.2711,
0.4375


 71.6558, 0.2846,
0.4033


 16.6396, 0.2633,
0.4571


 94.4241, 0.2873,
0.3962

 9.9778, 0.2520,
0.4850


 121.5670, 0.2896,
0.3903

 5.3843, 0.2344,
0.5277

 153.4688, 0.2915,
0.3854

 2.4744, 0.2043,
0.6011

190.5138, 0.2931,
0.3812

 0.8638, 0.0000,
1.0000

233.0866, 0.2945,

 0.0000, 0.0000,

0.3776

0.0000

281.5715, 0.2957,
0.3744

■ 37.7050, 0.2768,
0.4231

■ 37.7050, 0.2768,
0.4231

■ 36.7246, 0.2736,
0.4441

■ 38.9366, 0.2815,
0.4028

■ 35.9722, 0.2721,
0.4654

■ 40.4316, 0.2874,
0.3837

■ 35.4276, 0.2726,
0.4862

■ 42.2068, 0.2941,
0.3661

■ 35.0647, 0.2749,
0.5058

■ 44.2761, 0.3014,
0.3500

■ 34.9217, 0.2765,
0.5154

■ 46.6528, 0.3090,
0.3355

■ 49.3490, 0.3166,
0.3226

■ 52.3765, 0.3242,
0.3113

■ 55.7461, 0.3316,
0.3013

■ 59.4683, 0.3387,
0.2925

Harmonies

Analogous

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



37.7050, 0.3436, 0.4564



37.7050, 0.2768, 0.4231



37.7050, 0.2232, 0.3542

Triad

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



37.7050, 0.2768, 0.4231



37.7050, 0.2196, 0.2227



37.7050, 0.4469, 0.3489

Complementary

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



37.7050, 0.2768, 0.4231



18.2067, 0.3825, 0.2537

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.



37.7050, 0.4066, 0.2981



37.7050, 0.2768, 0.4231



37.7050, 0.2702, 0.2290

Square

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



37.7050, 0.2768, 0.4231



37.7050, 0.1940, 0.2405



37.7050, 0.3389, 0.2558



37.7050, 0.4450, 0.4007

Rectangle

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



37.7050, 0.2768, 0.4231



37.7050, 0.2011, 0.3064



37.7050, 0.3389, 0.2558



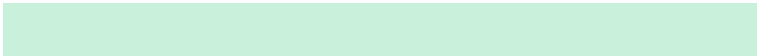
37.7050, 0.4379, 0.3314

Sweetspot

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



37.7065, 0.2768, 0.4231



79.7144, 0.3004, 0.3521



40.3576, 0.3483, 0.4801



17.0137, 0.2989, 0.3552



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



37.7065, 0.2768, 0.4231



66.2337, 0.2731, 0.4488



39.3746, 0.2467, 0.3368



10.1263, 0.3056, 0.3417



24.0793, 0.2759, 0.5131



0.8614, 0.2618, 0.4624

Inverse Universe

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



18.2067, 0.3825, 0.2537



27.2454, 0.4064, 0.2415



17.0772, 0.4651, 0.3226



9.0918, 0.3205, 0.3166



7.6741, 0.4746, 0.2388



0.2829, 0.4248, 0.2114

Previews

White Background



This preview shows how the Yxy color 37.7050, 0.2768, 0.4231 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 37.7050, 0.2768, 0.4231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

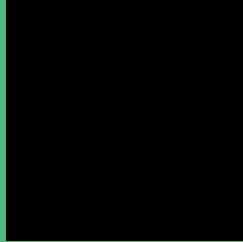
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7050, 0.2768, 0.4231

Background



This preview shows how black text looks on a background with the Yxy color 37.7050, 0.2768, 0.4231.



This preview shows how white text looks on a background with the Yxy color 37.7050, 0.2768, 0.4231.

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

37.7050, 0.2768, 0.4231

Protanopia

37.1371, 0.3646, 0.3916

Deuteranopia

37.1501, 0.3670, 0.3604



Tritanopia

37.5351, 0.2472, 0.3074

Trichromacy



Original Color

37.7050, 0.2768, 0.4231



Protanomaly

36.3067, 0.3262, 0.4043



Deuteranomaly

35.9102, 0.3270, 0.3811



Tritanomaly

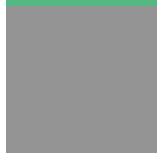
37.4470, 0.2573, 0.3465

Monochromacy



Original Color

37.7050, 0.2768, 0.4231



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

31.6979, 0.2955, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7050, 0.2768, 0.4231 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(83, 184, 129)` looks like.

```
.text, #text, p{  
    color:rgb(83, 184, 129)  
}
```

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(83, 184, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 184, 129) }
```

Border

The CSS property to change the border of an element to Yxy 37.7050, 0.2768, 0.4231 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(83, 184, 129) }
```

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

```
.border{ border-color:rgb(83, 184, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 184, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 184, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 184, 129);  
box-shadow:4px 4px 4px 4px rgb(83, 184,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7050, 0.2768, 0.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 184, 129) }
```

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

```
.background{ background-color: rgb(83, 184,  
129) }
```

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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