

Converting Colors

$Yxy(37.2586, 0.2778, 0.3832)$

Have a look what the booklet for
Yxy(37.2586, 0.2778, 0.3832)
contains.

Yxy(37.2586, 0.2778, 0.3832)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.2586, 0.2778, 0.3832)

Conversions

Conversions Part 1

Format	Color
Hex	68B392
RGB	104, 179, 146
RGB Percent	41%, 70%, 57%
CMY	0.5925, 0.2980, 0.4275
CMYK	0.42, 0.00, 0.18, 0.30
HSL	154°, 33%, 55%
HSV	154°, 42%, 70%
XYZ	27.0105, 37.2586, 32.9610
YIQ	152.8130, -34.1070, -26.1630

Conversions

Conversions Part 2

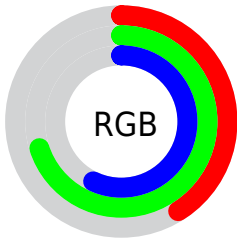
Format	Color
RYB	104, 152, 179
Decimal	6861714
CIELab	67.47, -31.06, 9.62
CIElCh	67, 32.517, 162.783
Yxy	37.2586, 0.2778, 0.3832
Android (android.graphics.Color)	4285051794 (0xFF68B392)
YUV	152.8130, -3.3588, -42.8090
Hunter-Lab	61.0398, -27.8322, 10.7117

Details

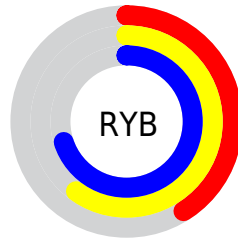
The Yxy color **37.2586, 0.2778, 0.3832** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **21.2755, 0.3710, 0.2814**, and the grayscale version is **31.7889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8559, 0.2846, 0.3718**, and **16.4260, 0.2664, 0.4037** is the 20% darker color. If you saturate the color by 10%, you get **36.0645, 0.2717, 0.3990**, and if you desaturate by 10%, it is **38.6999, 0.2851, 0.3684**.

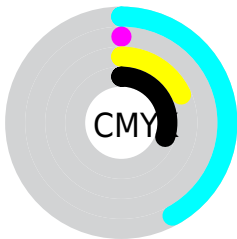
Distribution



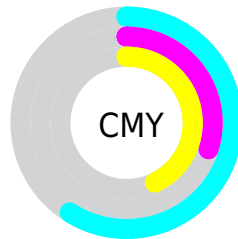
- Red (41%)
- Green (70%)
- Blue (57%)



- Red (41%)
- Yellow (60%)
- Blue (70%)



- Cyan (42%)
- Magenta (0%)
- Yellow (18%)
- Black (30%)




- Cyan (59%)
- Magenta (30%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.2586, 0.2778, 0.3832 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 37.2586, 0.2778, 0.3832 by changing the saturation by 10% instead.


 37.2586, 0.2778,
0.3832


 37.2586, 0.2778,
0.3832


334.4288, 0.2964,
0.3541


 25.4078, 0.2728,
0.3912


 70.9703, 0.2848,
0.3721


 16.3811, 0.2661,
0.4019


 93.6000, 0.2874,
0.3681

 9.7942, 0.2568,
0.4170


 120.5915, 0.2895,
0.3648

 5.2627, 0.2428,
0.4400

 152.3291, 0.2913,
0.3620

 2.4022, 0.2198,
0.4787

189.1972, 0.2928,
0.3596

 0.8270, 0.0257,
0.7640

231.5803, 0.2942,

 0.0000, 0.0000,

0.3575

0.0000

279.8627, 0.2953,
0.3557

■ 37.2586, 0.2778,
0.3832

■ 37.2586, 0.2778,
0.3832

■ 36.0645, 0.2717,
0.3990

■ 38.6999, 0.2851,
0.3684

■ 35.0982, 0.2671,
0.4156

■ 40.3975, 0.2932,
0.3547

■ 34.3447, 0.2643,
0.4326


■ 42.3655, 0.3019,
0.3423

■ 33.7851, 0.2635,
0.4497


■ 44.6154, 0.3109,
0.3310

■ 33.3970, 0.2646,
0.4664

■ 47.1584, 0.3201,
0.3210

 33.1723, 0.2665,
0.4795

 50.0049, 0.3292,
0.3121

 53.1647, 0.3381,
0.3043

 56.6472, 0.3468,
0.2975

 58.5076, 0.3467,
0.2903

Harmonies

Analogous

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



37.2586, 0.3250, 0.4136



37.2586, 0.2778, 0.3832



37.2586, 0.2417, 0.3354

Triad

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



37.2586, 0.2778, 0.3832



37.2586, 0.2530, 0.2508



37.2586, 0.4097, 0.3555

Complementary

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



37.2586, 0.2778, 0.3832



21.2755, 0.3710, 0.2814

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.



37.2586, 0.3878, 0.3166



37.2586, 0.2778, 0.3832



37.2586, 0.2943, 0.2589

Square

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



37.2586, 0.2778, 0.3832



37.2586, 0.2286, 0.2609



37.2586, 0.3441, 0.2824



37.2586, 0.4028, 0.3916

Rectangle

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



37.2586, 0.2778, 0.3832



37.2586, 0.2280, 0.3040



37.2586, 0.3441, 0.2824



37.2586, 0.4055, 0.3425

Sweetspot

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



37.2601, 0.2778, 0.3832



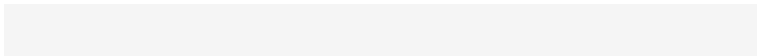
75.3849, 0.3008, 0.3438



38.6233, 0.3352, 0.4456



16.5241, 0.2988, 0.3464



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



37.2601, 0.2778, 0.3832



64.7937, 0.2723, 0.3972



36.9554, 0.2554, 0.3230



9.5672, 0.3043, 0.3392



23.4500, 0.2660, 0.4776



0.7493, 0.2532, 0.4316

Inverse Universe

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



21.2755, 0.3710, 0.2814



32.4522, 0.3897, 0.2719



21.2411, 0.4164, 0.3348



8.5653, 0.3220, 0.3190



7.1808, 0.5180, 0.2627



0.2377, 0.4495, 0.2250

Previews

White Background



This preview shows how the Yxy color 37.2586, 0.2778, 0.3832 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 37.2586, 0.2778, 0.3832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

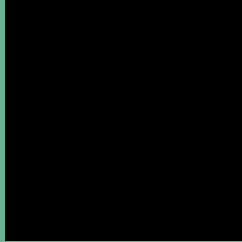
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2586, 0.2778, 0.3832

Background



This preview shows how black text looks on a background with the Yxy color 37.2586, 0.2778, 0.3832.



This preview shows how white text looks on a background with the Yxy color 37.2586, 0.2778, 0.3832.

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

37.2586, 0.2778, 0.3832

Protanopia

36.8000, 0.3442, 0.3650

Deuteranopia

36.8784, 0.3452, 0.3387



Tritanopia

37.0524, 0.2562, 0.3076

Trichromacy



Original Color

37.2586, 0.2778, 0.3832

Protanomaly

36.5021, 0.3162, 0.3719

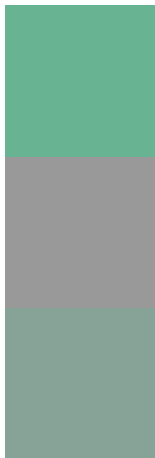
Deuteranomaly

36.4109, 0.3171, 0.3544

Tritanomaly

36.9535, 0.2636, 0.3336

Monochromacy



Original Color

37.2586, 0.2778, 0.3832

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.1936, 0.2980, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2586, 0.2778, 0.3832 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(104, 179, 146)` looks like.

```
.text, #text, p{  
    color:rgb(104, 179, 146)  
}
```

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(104, 179, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 179, 146) }
```

Border

The CSS property to change the border of an element to Yxy 37.2586, 0.2778, 0.3832 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(104, 179, 146) }
```

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

```
.border{ border-color:rgb(104, 179, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 179, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 179, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 179, 146);  
box-shadow:4px 4px 4px 4px rgb(104, 179,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2586, 0.2778, 0.3832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 179, 146) }
```

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

```
.background{ background-color: rgb(104,  
179, 146) }
```

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