

Converting Colors

$Yxy(37.4040, 0.2981, 0.4180)$

Have a look what the booklet for
Yxy(37.4040, 0.2981, 0.4180)
contains.

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Color

Yxy(37.5936, 0.2976, 0.4180)

Conversions

Conversions Part 1

Format	Color
Hex	70B47E
RGB	112, 180, 126
RGB Percent	44%, 71%, 49%
CMY	0.5609, 0.2941, 0.5059
CMYK	0.38, 0.00, 0.30, 0.29
HSL	132°, 31%, 57%
HSV	132°, 38%, 71%
XYZ	26.7652, 37.5936, 25.5780
YIQ	153.5120, -23.1940, -31.2100

Conversions

Conversions Part 2

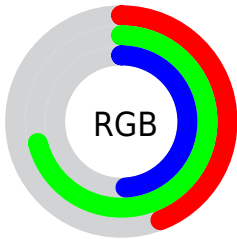
Format	Color
RYB	112, 168, 180
Decimal	7386238
CIELab	67.72, -33.13, 20.94
CIElCh	68, 39.196, 147.708
Yxy	37.5936, 0.2976, 0.4180
Android (android.graphics.Color)	4285576318 (0xFF70B47E)
YUV	153.5120, -13.5634, -36.4060
Hunter-Lab	61.3136, -29.3783, 18.1857

Details

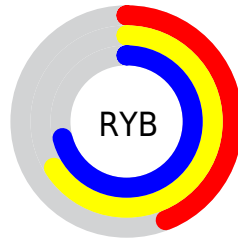
The Yxy color **37.5936, 0.2976, 0.4180** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.0389, 0.3330, 0.2541**, and the grayscale version is **32.1551, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3526, 0.3012, 0.3991**, and **16.6752, 0.2906, 0.4490** is the 20% darker color. If you saturate the color by 10%, you get **36.1875, 0.2944, 0.4468**, and if you desaturate by 10%, it is **39.2916, 0.3014, 0.3911**.

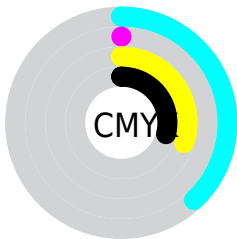
Distribution



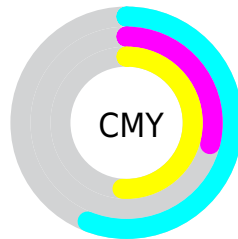
- Red (44%)
- Green (71%)
- Blue (49%)



- Red (44%)
- Yellow (66%)
- Blue (71%)



- Cyan (38%)
- Magenta (0%)
- Yellow (30%)
- Black (29%)





- Cyan (56%)
- Magenta (29%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5936, 0.2976, 0.4180 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 37.5936, 0.2976, 0.4180 by changing the saturation by 10% instead.


 37.5936, 0.2976,
0.4180


 37.5936, 0.2976,
0.4180


335.8734, 0.3067,
0.3696


 25.6674, 0.2947,
0.4315


 71.4848, 0.3013,
0.3994

 16.5750, 0.2907,
0.4497


 94.2186, 0.3026,
0.3927

 9.9319, 0.2844,
0.4756


 121.3238, 0.3036,
0.3872

 5.3539, 0.2740,
0.5149

153.1847, 0.3044,
0.3825

 2.4563, 0.2556,
0.5845

190.1857, 0.3051,
0.3786

 0.8547, 0.0040,
0.9960

232.7112, 0.3057,

 0.0000, 0.0000,

0.3752

0.0000

281.1456, 0.3062,
0.3722

■ 37.5936, 0.2976,
0.4180

■ 37.5936, 0.2976,
0.4180

■ 36.1875, 0.2944,
0.4468

■ 39.2916, 0.3014,
0.3911

■ 35.0522, 0.2919,
0.4764

■ 41.2918, 0.3054,
0.3665

■ 34.1712, 0.2905,
0.5057


■ 43.6099, 0.3095,
0.3444

■ 33.5243, 0.2904,
0.5330


■ 46.2589, 0.3136,
0.3249

■ 33.0879, 0.2915,
0.5566


■ 49.2513, 0.3176,
0.3079


 32.8269, 0.2937,
0.5752

 52.5987, 0.3213,
0.2930

 32.7806, 0.2941,
0.5787

 56.3124, 0.3249,
0.2801

 60.2174, 0.3274,
0.2688

 61.1023, 0.3164,
0.2559

Harmonies

Analogous

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



37.5936, 0.3552, 0.4365



37.5936, 0.2976, 0.4180



37.5936, 0.2469, 0.3667

Triad

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



37.5936, 0.2976, 0.4180



37.5936, 0.2247, 0.2395



37.5936, 0.4204, 0.3358

Complementary

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



37.5936, 0.2976, 0.4180



24.0389, 0.3330, 0.2541

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.



37.5936, 0.3786, 0.2924



37.5936, 0.2976, 0.4180



37.5936, 0.2636, 0.2392

Square

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



37.5936, 0.2976, 0.4180



37.5936, 0.2081, 0.2619



37.5936, 0.3195, 0.2583



37.5936, 0.4291, 0.3811

Rectangle

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



37.5936, 0.2976, 0.4180



37.5936, 0.2234, 0.3261



37.5936, 0.3195, 0.2583



37.5936, 0.4096, 0.3207

Sweetspot

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



37.5952, 0.2976, 0.4180



77.5738, 0.3081, 0.3516



41.9662, 0.3556, 0.4256



16.6442, 0.3076, 0.3545



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.



37.5952, 0.2976, 0.4180



66.0844, 0.2950, 0.4408



38.6132, 0.2742, 0.3612



9.5178, 0.3089, 0.3476



22.8841, 0.2936, 0.5769



0.7283, 0.2793, 0.5253

Inverse Universe

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



24.0389, 0.3330, 0.2541



38.0993, 0.3385, 0.2390



22.9623, 0.3758, 0.2996



8.6161, 0.3168, 0.3111



8.1647, 0.3800, 0.1867



0.2645, 0.3607, 0.1761

Previews

White Background



This preview shows how the Yxy color 37.5936, 0.2976, 0.4180 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 37.5936, 0.2976, 0.4180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

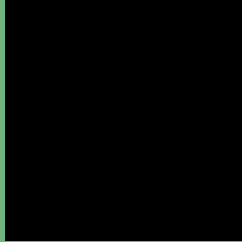
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5936, 0.2976, 0.4180

Background



This preview shows how black text looks on a background with the Yxy color 37.5936, 0.2976, 0.4180.



This preview shows how white text looks on a background with the Yxy color 37.5936, 0.2976, 0.4180.

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

37.5936, 0.2976, 0.4180

Protanopia

37.2299, 0.3665, 0.3928

Deuteranopia

37.1688, 0.3720, 0.3657



Tritanopia

37.3353, 0.2633, 0.3079

Trichromacy



Original Color

37.5936, 0.2976, 0.4180

Protanomaly

36.9269, 0.3378, 0.4020

Deuteranomaly

36.5388, 0.3416, 0.3840

Tritanomaly

37.3333, 0.2760, 0.3461

Monochromacy



Original Color

37.5936, 0.2976, 0.4180

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.6970, 0.3067, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5936, 0.2976, 0.4180 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(112, 180, 126)` looks like.

```
.text, #text, p{  
    color:rgb(112, 180, 126)  
}
```

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(112, 180, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 180, 126) }
```

Border

The CSS property to change the border of an element to Yxy 37.5936, 0.2976, 0.4180 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(112, 180, 126) }
```

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

```
.border{ border-color:rgb(112, 180, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 180, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 180, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 180, 126);  
box-shadow:4px 4px 4px 4px rgb(112, 180,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5936, 0.2976, 0.4180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 180, 126) }
```

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

```
.background{ background-color: rgb(112,  
180, 126) }
```

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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