

Converting Colors

$Yxy(37.6741, 0.2768, 0.3632)$

Have a look what the booklet for
Yxy(37.6741, 0.2768, 0.3632)
contains.

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Color

Yxy(37.7518, 0.2770, 0.3640)

Conversions

Conversions Part 1

Format	Color
Hex	71B29C
RGB	113, 178, 156
RGB Percent	44%, 70%, 61%
CMY	0.5570, 0.3019, 0.3882
CMYK	0.37, 0.00, 0.12, 0.30
HSL	160°, 30%, 57%
HSV	160°, 37%, 70%
XYZ	28.7287, 37.7518, 37.2332
YIQ	156.0570, -31.6780, -20.6220

Conversions

Conversions Part 2

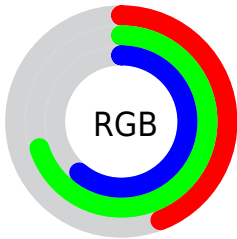
Format	Color
RYB	113, 152, 178
Decimal	7451292
CIELab	67.84, -25.81, 4.69
CIELCh	68, 26.236, 169.704
Yxy	37.7518, 0.2770, 0.3640
Android (android.graphics.Color)	4285641372 (0xFF71B29C)
YUV	156.0570, -0.0281, -37.7610
Hunter-Lab	61.4425, -24.0630, 7.0809

Details

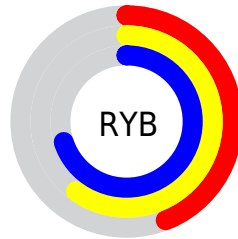
The Yxy color **37.7518, 0.2770, 0.3640** is a light color, and the websafe version is hex **669999**. A complement of this color would be **23.0159, 0.3695, 0.2970**, and the grayscale version is **33.2808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7143, 0.2842, 0.3576**, and **16.6793, 0.2657, 0.3752** is the 20% darker color. If you saturate the color by 10%, you get **36.4878, 0.2693, 0.3755**, and if you desaturate by 10%, it is **39.2605, 0.2859, 0.3533**.

Distribution



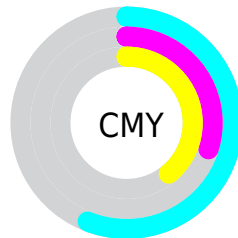
- Red (44%)
- Green (70%)
- Blue (61%)



- Red (44%)
- Yellow (60%)
- Blue (70%)



- Cyan (37%)
- Magenta (0%)
- Yellow (12%)
- Black (30%)





- Cyan (56%)
- Magenta (30%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7518, 0.2770, 0.3640 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 37.7518, 0.2770, 0.3640 by changing the saturation by 10% instead.

 37.7518, 0.2770,
0.3640


 37.7518, 0.2770,
0.3640


336.5541, 0.2956,
0.3455

 25.7901, 0.2721,
0.3690


 71.7276, 0.2840,
0.3570

 16.6667, 0.2656,
0.3755

 94.5104, 0.2865,
0.3545

 9.9971, 0.2567,
0.3847

 121.6691, 0.2887,
0.3524

 5.3971, 0.2437,
0.3984

153.5880, 0.2905,
0.3506

 2.4821, 0.2229,
0.4208

190.6516, 0.2920,
0.3491

 0.8676, 0.1158,
0.5168

233.2442, 0.2934,

 0.0000, 0.0000,

0.3477

0.0000

281.7502, 0.2946,
0.3466

■ 37.7518, 0.2770,
0.3640

■ 37.7518, 0.2770,
0.3640

■ 36.4878, 0.2693,
0.3755

■ 39.2605, 0.2859,
0.3533

■ 35.4501, 0.2629,
0.3876

■ 41.0220, 0.2956,
0.3434

■ 34.6252, 0.2583,
0.4003


■ 43.0495, 0.3058,
0.3344


■ 33.9958, 0.2555,
0.4131


■ 45.3540, 0.3164,
0.3263


■ 33.5424, 0.2548,
0.4260


■ 47.9458, 0.3270,
0.3191


 33.2378, 0.2559,
0.4387

 50.8349, 0.3376,
0.3127

 33.1481, 0.2564,
0.4431

 54.0305, 0.3480,
0.3070

 57.4715, 0.3578,
0.3020

 57.7661, 0.3526,
0.2959

Harmonies

Analogous

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



37.7518, 0.3142, 0.3922



37.7518, 0.2770, 0.3640



37.7518, 0.2504, 0.3258

Triad

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



37.7518, 0.2770, 0.3640



37.7518, 0.2711, 0.2653



37.7518, 0.3914, 0.3588

Complementary

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



37.7518, 0.2770, 0.3640



23.0159, 0.3695, 0.2970

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.



37.7518, 0.3788, 0.3268



37.7518, 0.2770, 0.3640



37.7518, 0.3073, 0.2750

Square

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



37.7518, 0.2770, 0.3640



37.7518, 0.2472, 0.2705



37.7518, 0.3472, 0.2970



37.7518, 0.3812, 0.3859

Rectangle

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



37.7518, 0.2770, 0.3640



37.7518, 0.2414, 0.3018



37.7518, 0.3472, 0.2970



37.7518, 0.3897, 0.3483

Sweetspot

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



37.7533, 0.2770, 0.3640



76.2888, 0.3010, 0.3385



38.2471, 0.3270, 0.4311



16.7935, 0.2996, 0.3397



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.



37.7533, 0.2770, 0.3640



66.5388, 0.2705, 0.3734



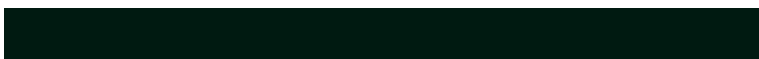
34.8212, 0.2602, 0.3136



9.5817, 0.3029, 0.3368



23.7275, 0.2560, 0.4417



0.7569, 0.2462, 0.4063

Inverse Universe

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



23.0159, 0.3695, 0.2970



35.8127, 0.3886, 0.2899



24.7539, 0.3941, 0.3436



8.5511, 0.3236, 0.3213



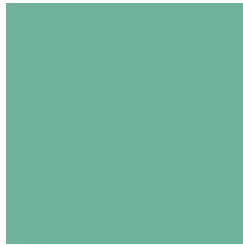
7.0177, 0.5586, 0.2851



0.2320, 0.4795, 0.2415

Previews

White Background



This preview shows how the Yxy color 37.7518, 0.2770, 0.3640 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 37.7518, 0.2770, 0.3640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

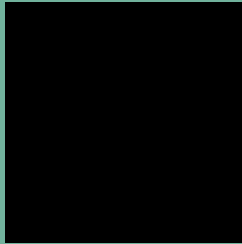
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7518, 0.2770, 0.3640

Background



This preview shows how black text looks on a background with the Yxy color 37.7518, 0.2770, 0.3640.



This preview shows how white text looks on a background with the Yxy color 37.7518, 0.2770, 0.3640.

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

37.7518, 0.2770, 0.3640

Protanopia

37.3788, 0.3328, 0.3505

Deuteranopia

37.2794, 0.3343, 0.3277



Tritanopia

37.8530, 0.2603, 0.3094

Trichromacy



Original Color

37.7518, 0.2770, 0.3640

Protanomaly

37.1270, 0.3097, 0.3545

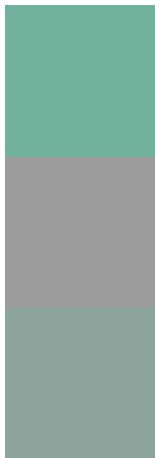
Deuteranomaly

36.9437, 0.3104, 0.3393

Tritanomaly

37.5764, 0.2657, 0.3273

Monochromacy



Original Color

37.7518, 0.2770, 0.3640

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.5267, 0.2975, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7518, 0.2770, 0.3640 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(113, 178, 156)` looks like.

```
.text, #text, p{  
    color:rgb(113, 178, 156)  
}
```

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(113, 178, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 178, 156) }
```

Border

The CSS property to change the border of an element to Yxy 37.7518, 0.2770, 0.3640 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(113, 178, 156) }
```

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

```
.border{ border-color:rgb(113, 178, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 178, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 178, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 178, 156);  
box-shadow:4px 4px 4px 4px rgb(113, 178,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7518, 0.2770, 0.3640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 178, 156) }
```

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

```
.background{ background-color: rgb(113,  
178, 156) }
```

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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