

Converting Colors

$Y_{xy}(37.2352, 0.2473, 0.3118)$

Have a look what the booklet for
Yxy(37.2352, 0.2473, 0.3118)
contains.

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Color

Yxy(37.2352, 0.2473, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	62B0BB
RGB	98, 176, 187
RGB Percent	38%, 69%, 73%
CMY	0.6157, 0.3098, 0.2666
CMYK	0.48, 0.06, 0.00, 0.27
HSL	187°, 40%, 56%
HSV	187°, 48%, 73%
XYZ	29.5326, 37.2352, 52.6523
YIQ	153.9320, -50.0190, -13.1150

Conversions

Conversions Part 2

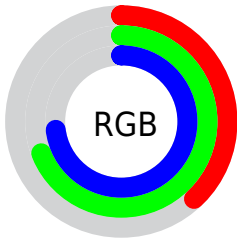
Format	Color
RYB	98, 140, 187
Decimal	6467771
CIELab	67.45, -21.06, -13.10
CIELCh	67, 24.797, 211.881
Yxy	37.2352, 0.2473, 0.3118
Android (android.graphics.Color)	4284657851 (0xFF62B0BB)
YUV	153.9320, 16.3025, -49.0524
Hunter-Lab	61.0207, -20.3962, -8.4446

Details

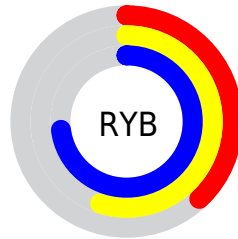
The Yxy color **37.2352, 0.2473, 0.3118** is a light color, and the websafe version is hex **669999**. A complement of this color would be **22.3878, 0.4337, 0.3447**, and the grayscale version is **32.2277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0543, 0.2596, 0.3160**, and **16.3185, 0.2280, 0.3044** is the 20% darker color. If you saturate the color by 10%, you get **35.4155, 0.2371, 0.3076**, and if you desaturate by 10%, it is **39.3163, 0.2591, 0.3158**.

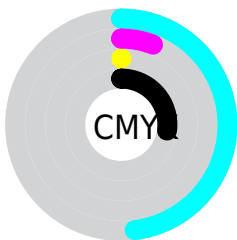
Distribution



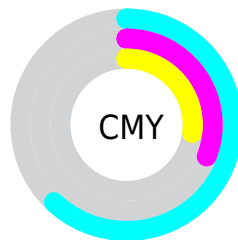
- Red (38%)
- Green (69%)
- Blue (73%)



- Red (38%)
- Yellow (55%)
- Blue (73%)



- Cyan (48%)
- Magenta (6%)
- Yellow (0%)
- Black (27%)





- Cyan (62%)
- Magenta (31%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2352, 0.2473, 0.3118 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 37.2352, 0.2473, 0.3118 by changing the saturation by 10% instead.


 37.2352, 0.2473,
0.3118

 37.2352, 0.2473,
0.3118


334.3277, 0.2805,
0.3215

 25.3896, 0.2389,
0.3090


 70.9344, 0.2594,
0.3156


 16.3676, 0.2281,
0.3053


 93.5568, 0.2640,
0.3169

 9.7846, 0.2138,
0.2998


 120.5403, 0.2678,
0.3180

 5.2564, 0.1938,
0.2915

 152.2692, 0.2711,
0.3189

 2.3985, 0.1643,
0.2775

189.1281, 0.2739,
0.3197

 0.8251, 0.0849,
0.2592

231.5012, 0.2764,

 0.0000, 0.0000,

0.3204

0.0000

279.7729, 0.2785,
0.3210

■ 37.2352, 0.2473,
0.3118

■ 37.2352, 0.2473,
0.3118

■ 35.4155, 0.2371,
0.3076

■ 39.3163, 0.2591,
0.3158

■ 33.8355, 0.2286,
0.3033

■ 41.6700, 0.2722,
0.3197

■ 32.4773, 0.2221,
0.2990


■ 44.3121, 0.2863,
0.3233

■ 31.3180, 0.2174,
0.2947

■ 47.2559, 0.3011,
0.3267

■ 30.3241, 0.2144,
0.2905


■ 50.5137, 0.3164,
0.3297

 30.0961, 0.2137,
0.2894

 54.0973, 0.3319,
0.3325

 58.0177, 0.3472,
0.3349

 62.2854, 0.3624,
0.3371

 64.7018, 0.3679,
0.3394

Harmonies

Analogous

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



37.2352, 0.2669, 0.3479



37.2352, 0.2473, 0.3118



37.2352, 0.2442, 0.2837

Triad

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



37.2352, 0.2473, 0.3118



37.2352, 0.3232, 0.2848



37.2352, 0.3685, 0.3904

Complementary

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



37.2352, 0.2473, 0.3118



22.3878, 0.4337, 0.3447

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.



37.2352, 0.3860, 0.3690



37.2352, 0.2473, 0.3118



37.2352, 0.3592, 0.3095

Square

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



37.2352, 0.2473, 0.3118



37.2352, 0.2861, 0.2704



37.2352, 0.3828, 0.3395



37.2352, 0.3364, 0.3956

Rectangle

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



37.2352, 0.2473, 0.3118



37.2352, 0.2515, 0.2725



37.2352, 0.3828, 0.3395



37.2352, 0.3764, 0.3847

Sweetspot

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



37.2366, 0.2473, 0.3118



81.0650, 0.2912, 0.3245



39.2346, 0.2994, 0.4600



17.6071, 0.2880, 0.3237



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



37.2366, 0.2473, 0.3118



63.3197, 0.2368, 0.3075



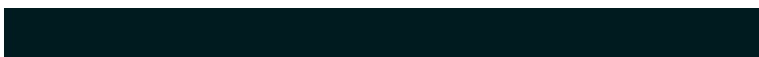
22.7202, 0.2339, 0.2386



10.6026, 0.2985, 0.3261



20.8045, 0.2139, 0.2900



0.8722, 0.2167, 0.3001

Inverse Universe

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



22.4361, 0.3309, 0.2270



34.3013, 0.3358, 0.2083



34.1955, 0.4026, 0.4041



9.6754, 0.3156, 0.3091



9.1299, 0.3544, 0.1726



0.3634, 0.3453, 0.1676

Previews

White Background



This preview shows how the Yxy color 37.2352, 0.2473, 0.3118 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 37.2352, 0.2473, 0.3118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

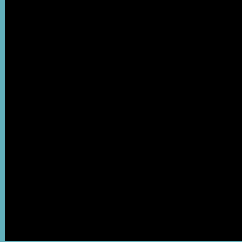
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.2352, 0.2473, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 37.2352, 0.2473, 0.3118.

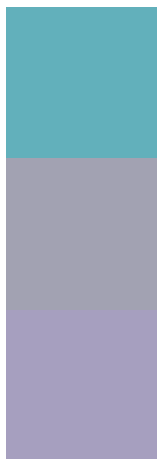


This preview shows how white text looks on a background with the Yxy color 37.2352, 0.2473, 0.3118.

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

37.2352, 0.2473, 0.3118

Protanopia

36.7364, 0.2990, 0.3064

Deuteranopia

36.6649, 0.2919, 0.2851



Tritanopia

37.4210, 0.2461, 0.3074

Trichromacy



Original Color

37.2352, 0.2473, 0.3118

Protanomaly

36.4626, 0.2773, 0.3082

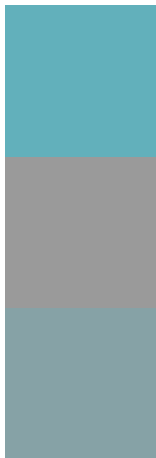
Deuteranomaly

36.2907, 0.2721, 0.2927

Tritanomaly

37.3774, 0.2467, 0.3089

Monochromacy



Original Color

37.2352, 0.2473, 0.3118

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.6622, 0.2841, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2352, 0.2473, 0.3118 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(98, 176, 187)` looks like.

```
.text, #text, p{  
    color:rgb(98, 176, 187)  
}
```

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(98, 176, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 176, 187) }
```

Border

The CSS property to change the border of an element to Yxy 37.2352, 0.2473, 0.3118 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(98, 176, 187) }
```

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

```
.border{ border-color:rgb(98, 176, 187) }
```

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

Here you see how a box with a 4 pixel rgb(98, 176, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 176, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 176, 187);  
box-shadow:4px 4px 4px 4px rgb(98, 176,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2352, 0.2473, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 176, 187) }
```

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

```
.background{ background-color: rgb(98, 176,  
187) }
```

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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