

Converting Colors

$Yxy(37.8619, 0.2992, 0.4356)$

Have a look what the booklet for
Yxy(37.8619, 0.2992, 0.4356)
contains.

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Color

Yxy(37.8897, 0.2995, 0.4354)

Conversions

Conversions Part 1

Format	Color
Hex	6BB676
RGB	107, 182, 118
RGB Percent	42%, 71%, 46%
CMY	0.5802, 0.2863, 0.5374
CMYK	0.41, 0.00, 0.35, 0.29
HSL	129°, 34%, 57%
HSV	129°, 41%, 71%
XYZ	26.0633, 37.8897, 23.0697
YIQ	152.2790, -24.1560, -35.8040

Conversions

Conversions Part 2

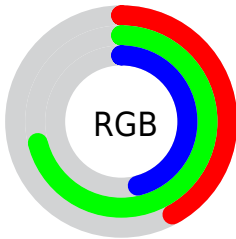
Format	Color
RYB	107, 172, 182
Decimal	7059062
CIELab	67.94, -36.97, 25.49
CIELCh	68, 44.906, 145.412
Yxy	37.8897, 0.2995, 0.4354
Android (android.graphics.Color)	4285249142 (0xFF6BB676)
YUV	152.2790, -16.8995, -39.7097
Hunter-Lab	61.5546, -32.1405, 20.8672

Details

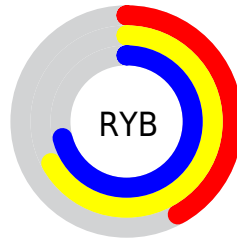
The Yxy color $37.8897, 0.2995, 0.4354$ is a dark color, and the websafe version is hex $66CC99$. A complement of this color would be $23.4114, 0.3299, 0.2421$, and the grayscale version is $31.6119, 0.3127, 0.3290$.

A 20% lighter version of the original color is $71.6664, 0.3026, 0.4122$, and $16.6249, 0.2916, 0.4725$ is the 20% darker color. If you saturate the color by 10%, you get $36.5394, 0.2970, 0.4667$, and if you desaturate by 10%, it is $39.5415, 0.3025, 0.4056$.

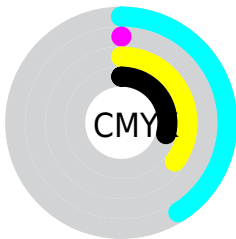
Distribution



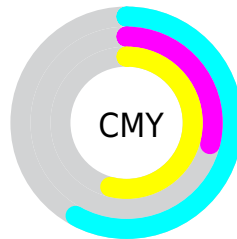
- Red (42%)
- Green (71%)
- Blue (46%)



- Red (42%)
- Yellow (67%)
- Blue (71%)



- Cyan (41%)
- Magenta (0%)
- Yellow (35%)
- Black (29%)




- Cyan (58%)
- Magenta (29%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8897, 0.2995, 0.4354 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 37.8897, 0.2995, 0.4354 by changing the saturation by 10% instead.

 37.8897, 0.2995,
0.4354


 37.8897, 0.2995,
0.4354


337.1466, 0.3081,
0.3772


 25.8971, 0.2965,
0.4516


 71.9390, 0.3032,
0.4130

 16.7467, 0.2922,
0.4736


 94.7646, 0.3044,
0.4050

 10.0540, 0.2853,
0.5046


 121.9699, 0.3053,
0.3984

 5.4348, 0.2732,
0.5514

 153.9393, 0.3061,
0.3928

 2.5046, 0.2562,
0.6458

191.0573, 0.3067,
0.3880

 0.8789, 0.0000,
1.0000

233.7083, 0.3073,

 0.0000, 0.0000,

0.3839

0.0000

282.2766, 0.3077,
0.3804

■ 37.8897, 0.2995,
0.4354

■ 37.8897, 0.2995,
0.4354

■ 36.5394, 0.2970,
0.4667

■ 39.5415, 0.3025,
0.4056

■ 35.4679, 0.2951,
0.4981

■ 41.5066, 0.3057,
0.3781

■ 34.6567, 0.2942,
0.5278


■ 43.8017, 0.3091,
0.3534

■ 34.0834, 0.2942,
0.5540

■ 46.4413, 0.3123,
0.3314

■ 33.7211, 0.2953,
0.5747

■ 49.4387, 0.3155,
0.3122

 33.5328, 0.2966,
0.5878

 52.8066, 0.3185,
0.2955

 56.5571, 0.3212,
0.2811

 60.7017, 0.3238,
0.2686

 61.9357, 0.3161,
0.2575

Harmonies

Analogous

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



37.8897, 0.3645, 0.4520



37.8897, 0.2995, 0.4354



37.8897, 0.2414, 0.3775

Triad

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



37.8897, 0.2995, 0.4354



37.8897, 0.2113, 0.2290



37.8897, 0.4334, 0.3315

Complementary

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



37.8897, 0.2995, 0.4354



23.4114, 0.3299, 0.2421

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.



37.8897, 0.3831, 0.2840



37.8897, 0.2995, 0.4354



37.8897, 0.2527, 0.2275

Square

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



37.8897, 0.2995, 0.4354



37.8897, 0.1948, 0.2552



37.8897, 0.3147, 0.2473



37.8897, 0.4458, 0.3824

Rectangle

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



37.8897, 0.2995, 0.4354



37.8897, 0.2141, 0.3301



37.8897, 0.3147, 0.2473



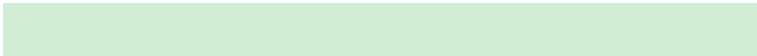
37.8897, 0.4202, 0.3149

Sweetspot

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



37.8913, 0.2995, 0.4354



78.9618, 0.3087, 0.3557



43.2893, 0.3638, 0.4327



17.3153, 0.3083, 0.3588



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.



37.8913, 0.2995, 0.4354



66.5482, 0.2973, 0.4624



38.9342, 0.2746, 0.3729



10.0809, 0.3097, 0.3491



23.6868, 0.2962, 0.5865



0.8418, 0.2854, 0.5475

Inverse Universe

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



23.4114, 0.3299, 0.2421



36.8702, 0.3345, 0.2252



22.2045, 0.3772, 0.2898



9.1396, 0.3159, 0.3097



8.7128, 0.3610, 0.1762



0.3134, 0.3491, 0.1697

Previews

White Background



This preview shows how the Yxy color 37.8897, 0.2995, 0.4354 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 37.8897, 0.2995, 0.4354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

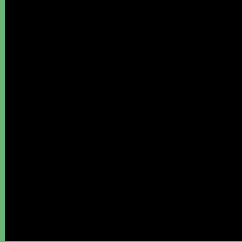
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8897, 0.2995, 0.4354

Background



This preview shows how black text looks on a background with the Yxy color 37.8897, 0.2995, 0.4354.

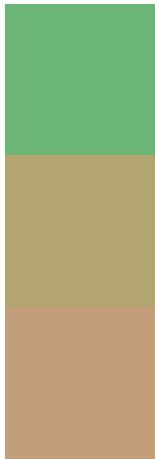


This preview shows how white text looks on a background with the Yxy color 37.8897, 0.2995, 0.4354.

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

37.8897, 0.2995, 0.4354

Protanopia

37.5229, 0.3743, 0.4049

Deuteranopia

37.3531, 0.3830, 0.3760



Tritanopia

37.6126, 0.2615, 0.3079

Trichromacy



Original Color

37.8897, 0.2995, 0.4354



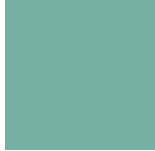
Protanomaly

37.0161, 0.3432, 0.4158



Deuteranomaly

36.6993, 0.3484, 0.3974



Tritanomaly

37.4412, 0.2754, 0.3510

Monochromacy



Original Color

37.8897, 0.2995, 0.4354



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

33.3221, 0.3073, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8897, 0.2995, 0.4354 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(107, 182, 118)` looks like.

```
.text, #text, p{  
    color:rgb(107, 182, 118)  
}
```

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(107, 182, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 182, 118) }
```

Border

The CSS property to change the border of an element to Yxy 37.8897, 0.2995, 0.4354 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(107, 182, 118) }
```

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

```
.border{ border-color:rgb(107, 182, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 182, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 182, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 182, 118);  
box-shadow:4px 4px 4px 4px rgb(107, 182,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8897, 0.2995, 0.4354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 182, 118) }
```

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

```
.background{ background-color: rgb(107,  
182, 118) }
```

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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