

Converting Colors

$Yxy(42.1194, 0.3098, 0.4658)$

Have a look what the booklet for
Yxy(42.1194, 0.3098, 0.4658)
contains.

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Color

Yxy(42.1194, 0.3098, 0.4658)

Conversions

Conversions Part 1

Format	Color
Hex	6FC06A
RGB	111, 192, 106
RGB Percent	44%, 75%, 42%
CMY	0.5644, 0.2471, 0.5843
CMYK	0.42, 0.00, 0.45, 0.25
HSL	116°, 41%, 58%
HSV	116°, 45%, 75%
XYZ	28.0133, 42.1194, 20.2911
YIQ	157.9770, -20.6700, -43.9180

Conversions

Conversions Part 2

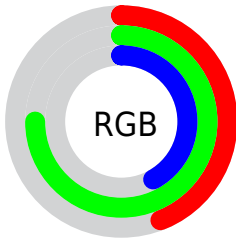
Format	Color
RYB	106, 192, 187
Decimal	7323754
CIELab	70.95, -42.05, 35.68
CIELCh	71, 55.150, 139.686
Yxy	42.1194, 0.3098, 0.4658
Android (android.graphics.Color)	4285513834 (0xFF6FC06A)
YUV	157.9770, -25.6247, -41.1988
Hunter-Lab	64.8995, -36.5261, 26.8923

Details

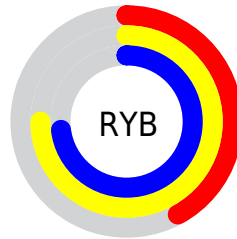
The Yxy color **42.1194, 0.3098, 0.4658** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **24.6722, 0.3122, 0.2191**, and the grayscale version is **34.3145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3616, 0.3117, 0.4373**, and **19.3032, 0.3041, 0.5134** is the 20% darker color. If you saturate the color by 10%, you get **40.7085, 0.3084, 0.5007**, and if you desaturate by 10%, it is **43.8604, 0.3109, 0.4310**.

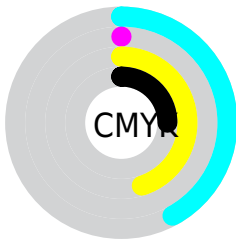
Distribution



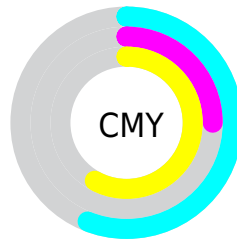
- Red (44%)
- Green (75%)
- Blue (42%)



- Red (42%)
- Yellow (75%)
- Blue (73%)



- Cyan (42%)
- Magenta (0%)
- Yellow (45%)
- Black (25%)





- Cyan (56%)
- Magenta (25%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1194, 0.3098, 0.4658 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 42.1194, 0.3098, 0.4658 by changing the saturation by 10% instead.


 42.1194, 0.3098,
0.4658


 42.1194, 0.3098,
0.4658


354.9777, 0.3142,
0.3919


 29.1948, 0.3075,
0.4858


 78.3803, 0.3123,
0.4377

 19.2282, 0.3036,
0.5124


 102.4854, 0.3129,
0.4275

 11.8353, 0.2969,
0.5489

 131.0861, 0.3134,
0.4191

 6.6316, 0.2842,
0.6013

 164.5668, 0.3137,
0.4119

 3.2328, 0.2729,
0.7202

203.3119, 0.3139,
0.4058

 1.2545, 0.0912,
0.9088

247.7058, 0.3141,

 0.1055, 0.0000,

0.4006

1.0000

298.1330, 0.3142,
0.3960

■ 0.0000, 0.0000,
0.0000

■ 42.1194, 0.3098,
0.4658

■ 42.1194, 0.3098,
0.4658

■ 40.7085, 0.3084,
0.5007

■ 43.8604, 0.3109,
0.4310

■ 39.6020, 0.3068,
0.5335

■ 45.9449, 0.3117,
0.3980

■ 38.7790, 0.3051,
0.5615


■ 48.3918, 0.3122,
0.3677

■ 38.2134, 0.3033,
0.5824


■ 51.2173, 0.3126,
0.3407


■ 37.8748, 0.3017,
0.5949

■ 54.4365, 0.3128,
0.3170

 37.7696, 0.3012,
0.5991

 58.0637, 0.3129,
0.2964

 62.1125, 0.3129,
0.2786

 66.1765, 0.3156,
0.2673

Harmonies

Analogous

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



42.1194, 0.3849, 0.4717



42.1194, 0.3098, 0.4658



42.1194, 0.2395, 0.4029

Triad

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



42.1194, 0.3098, 0.4658



42.1194, 0.1896, 0.2161



42.1194, 0.4475, 0.3190

Complementary

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



42.1194, 0.3098, 0.4658



24.6722, 0.3122, 0.2191

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.



42.1194, 0.3808, 0.2671



42.1194, 0.3098, 0.4658



42.1194, 0.2310, 0.2102

Square

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



42.1194, 0.3098, 0.4658



42.1194, 0.1764, 0.2506



42.1194, 0.2990, 0.2286



42.1194, 0.4704, 0.3768

Rectangle

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



42.1194, 0.3098, 0.4658



42.1194, 0.2050, 0.3451



42.1194, 0.2990, 0.2286



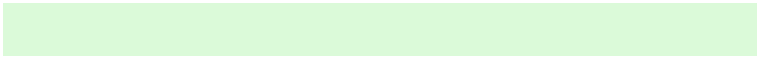
42.1194, 0.4290, 0.3007

Sweetspot

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



42.1212, 0.3098, 0.4658



88.4507, 0.3123, 0.3633



47.4745, 0.3813, 0.4315



18.7460, 0.3122, 0.3696



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



42.1212, 0.3098, 0.4658



73.7488, 0.3084, 0.5010



42.7526, 0.2827, 0.4060



11.2865, 0.3125, 0.3527



25.4286, 0.3015, 0.5988



1.1086, 0.3070, 0.5945

Inverse Universe

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



24.6722, 0.3122, 0.2191



38.0173, 0.3115, 0.1975



23.8733, 0.3625, 0.2640



10.2164, 0.3129, 0.3062



9.1593, 0.3064, 0.1461



0.4051, 0.3098, 0.1480

Previews

White Background



This preview shows how the Yxy color 42.1194, 0.3098, 0.4658 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 42.1194, 0.3098, 0.4658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

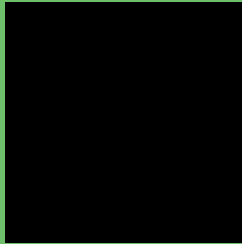
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.1194, 0.3098, 0.4658

Background



This preview shows how black text looks on a background with the Yxy color 42.1194, 0.3098, 0.4658.

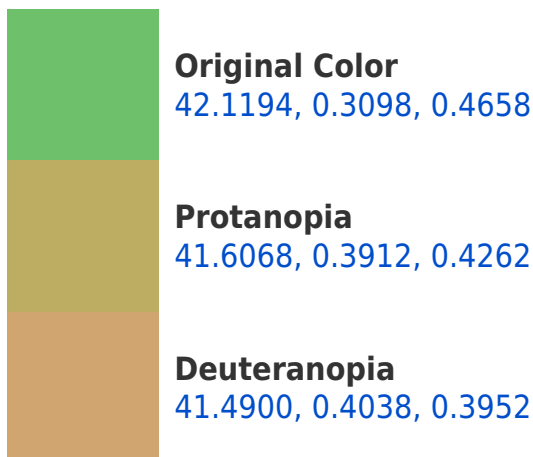


This preview shows how white text looks on a background with the Yxy color 42.1194, 0.3098, 0.4658.

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





Tritanopia

42.1085, 0.2622, 0.3089

Trichromacy



Original Color

42.1194, 0.3098, 0.4658



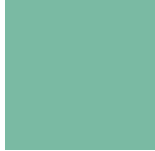
Protanomaly

41.1789, 0.3580, 0.4411



Deuteranomaly

40.6700, 0.3655, 0.4202



Tritanomaly

41.8997, 0.2796, 0.3639

Monochromacy



Original Color

42.1194, 0.3098, 0.4658



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

36.2763, 0.3122, 0.3773

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1194, 0.3098, 0.4658 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(111, 192, 106)` looks like.

```
.text, #text, p{  
    color:rgb(111, 192, 106)  
}
```

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(111, 192, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 192, 106) }
```

Border

The CSS property to change the border of an element to Yxy 42.1194, 0.3098, 0.4658 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(111, 192, 106) }
```

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

```
.border{ border-color:rgb(111, 192, 106) }
```

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

Here you see how a box with a 4 pixel rgb(111, 192, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 192, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 192, 106);  
box-shadow:4px 4px 4px 4px rgb(111, 192,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1194, 0.3098, 0.4658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 192, 106) }
```

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

```
.background{ background-color: rgb(111,  
192, 106) }
```

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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