

Converting Colors

$Yxy(42.8535, 0.3231, 0.4738)$

Have a look what the booklet for
Yxy(42.8535, 0.3231, 0.4738)
contains.

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Color

Yxy(42.7921, 0.3237, 0.4739)

Conversions

Conversions Part 1

Format	Color
Hex	7BC062
RGB	123, 192, 98
RGB Percent	48%, 75%, 38%
CMY	0.5174, 0.2471, 0.6156
CMYK	0.36, 0.00, 0.49, 0.25
HSL	104°, 43%, 57%
HSV	104°, 49%, 75%
XYZ	29.2294, 42.7921, 18.2763
YIQ	160.6530, -10.9500, -43.8620

Conversions

Conversions Part 2

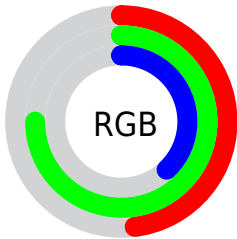
Format	Color
RYB	98, 192, 167
Decimal	8110178
CIELab	71.41, -39.29, 40.39
CIELCh	71, 56.347, 134.211
Yxy	42.7921, 0.3237, 0.4739
Android (android.graphics.Color)	4286300258 (0xFF7BC062)
YUV	160.6530, -30.8879, -33.0217
Hunter-Lab	65.4157, -34.7191, 29.2261

Details

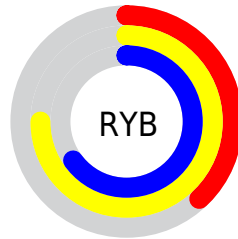
The Yxy color **42.7921, 0.3237, 0.4739** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **20.7519, 0.2898, 0.2018**, and the grayscale version is **35.6281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4183, 0.3238, 0.4454**, and **19.6556, 0.3204, 0.5216** is the 20% darker color. If you saturate the color by 10%, you get **41.5081, 0.3237, 0.5060**, and if you desaturate by 10%, it is **44.3162, 0.3226, 0.4411**.

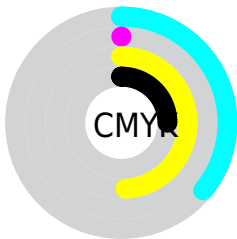
Distribution



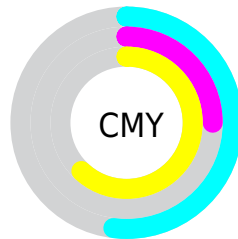
- Red (48%)
- Green (75%)
- Blue (38%)



- Red (38%)
- Yellow (75%)
- Blue (65%)



- Cyan (36%)
- Magenta (0%)
- Yellow (49%)
- Black (25%)





- Cyan (52%)
- Magenta (25%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7921, 0.3237, 0.4739 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 42.7921, 0.3237, 0.4739 by changing the saturation by 10% instead.

 42.7921, 0.3237,
0.4739


 42.7921, 0.3237,
0.4739


357.7561, 0.3215,
0.3963

 29.7220, 0.3228,
0.4946


 79.3970, 0.3239,
0.4446

 19.6277, 0.3206,
0.5216


 103.7007, 0.3237,
0.4340

 12.1247, 0.3158,
0.5581


 132.5177, 0.3233,
0.4251

 6.8287, 0.3051,
0.6090

 166.2323, 0.3230,
0.4175

 3.3552, 0.2914,
0.7086

205.2291, 0.3226,
0.4111

 1.3199, 0.1548,
0.8452

249.8924, 0.3222,

 0.1565, 0.0000,

0.4055

1.0000

300.6066, 0.3219,
0.4006

0.0000, 0.0000,
0.0000

42.7921, 0.3237,
0.4739

42.7921, 0.3237,
0.4739

41.5081, 0.3237,
0.5060

44.3162, 0.3226,
0.4411

40.4460, 0.3225,
0.5353

46.0865, 0.3207,
0.4091

39.5937, 0.3199,
0.5600


48.1157, 0.3182,
0.3790

38.9353, 0.3161,
0.5783


50.4141, 0.3154,
0.3514


38.4483, 0.3117,
0.5900


52.9911, 0.3124,
0.3265

 38.4048, 0.3112,
0.5911

 55.8560, 0.3094,
0.3044

 59.0175, 0.3064,
0.2848

 62.4839, 0.3035,
0.2677

 65.2030, 0.3117,
0.2665

Harmonies

Analogous

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



42.7921, 0.3985, 0.4691



42.7921, 0.3237, 0.4739



42.7921, 0.2500, 0.4192

Triad

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



42.7921, 0.3237, 0.4739



42.7921, 0.1833, 0.2185



42.7921, 0.4400, 0.3084

Complementary

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



42.7921, 0.3237, 0.4739



20.7519, 0.2898, 0.2018

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.



42.7921, 0.3668, 0.2578



42.7921, 0.3237, 0.4739



42.7921, 0.2201, 0.2078

Square

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



42.7921, 0.3237, 0.4739



42.7921, 0.1753, 0.2592



42.7921, 0.2844, 0.2222



42.7921, 0.4725, 0.3663

Rectangle

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



42.7921, 0.3237, 0.4739



42.7921, 0.2116, 0.3615



42.7921, 0.2844, 0.2222



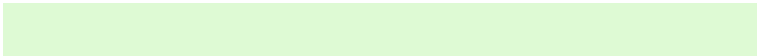
42.7921, 0.4188, 0.2904

Sweetspot

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



42.7939, 0.3237, 0.4739



88.6774, 0.3172, 0.3685



39.6999, 0.3987, 0.4193



18.8397, 0.3178, 0.3745



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.



42.7939, 0.3237, 0.4739



75.0070, 0.3236, 0.5090



41.6483, 0.2924, 0.4465



11.3858, 0.3155, 0.3525



25.8773, 0.3120, 0.5905



1.1531, 0.3294, 0.5767

Inverse Universe

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



20.7519, 0.2898, 0.2018



30.2789, 0.2825, 0.1753



22.8476, 0.3442, 0.2357



10.1081, 0.3096, 0.3060



6.4005, 0.2550, 0.1178



0.3087, 0.2704, 0.1263

Previews

White Background



This preview shows how the Yxy color 42.7921, 0.3237, 0.4739 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 42.7921, 0.3237, 0.4739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

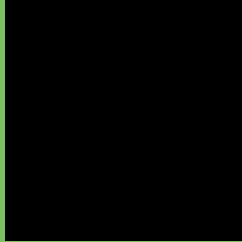
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7921, 0.3237, 0.4739

Background



This preview shows how black text looks on a background with the Yxy color 42.7921, 0.3237, 0.4739.



This preview shows how white text looks on a background with the Yxy color 42.7921, 0.3237, 0.4739.

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

42.7921, 0.3237, 0.4739

Protanopia

42.2513, 0.3989, 0.4343

Deuteranopia

42.1208, 0.4131, 0.4047



Tritanopia

42.6087, 0.2695, 0.3079

Trichromacy



Original Color

42.7921, 0.3237, 0.4739

Protanomaly

42.0714, 0.3690, 0.4502

Deuteranomaly

41.2030, 0.3778, 0.4286

Tritanomaly

42.3043, 0.2903, 0.3663

Monochromacy



Original Color

42.7921, 0.3237, 0.4739

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.5431, 0.3183, 0.3809

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7921, 0.3237, 0.4739 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(123, 192, 98)` looks like.

```
.text, #text, p{  
    color:rgb(123, 192, 98)  
}
```

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(123, 192, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 192, 98) }
```

Border

The CSS property to change the border of an element to Yxy 42.7921, 0.3237, 0.4739 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(123, 192, 98) }
```

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

```
.border{ border-color:rgb(123, 192, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 192, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 192, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 192, 98);  
box-shadow:4px 4px 4px 4px rgb(123, 192,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7921, 0.3237, 0.4739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 192, 98) }
```

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

```
.background{ background-color: rgb(123,  
192, 98) }
```

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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