

Converting Colors

$Yxy(42.3040, 0.2912, 0.4405)$

Have a look what the booklet for
Yxy(42.3040, 0.2912, 0.4405)
contains.

Yxy(42.3045, 0.2912, 0.4405)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.3045, 0.2912, 0.4405)

Conversions

Conversions Part 1

Format	Color
Hex	64C17C
RGB	100, 193, 124
RGB Percent	39%, 76%, 49%
CMY	0.6078, 0.2431, 0.5136
CMYK	0.48, 0.00, 0.36, 0.24
HSL	135°, 43%, 57%
HSV	135°, 48%, 76%
XYZ	27.9661, 42.3045, 25.7668
YIQ	157.3270, -33.2790, -41.1750

Conversions

Conversions Part 2

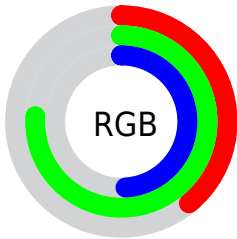
Format	Color
RYB	100, 174, 193
Decimal	6603132
CIELab	71.08, -42.79, 26.43
CIELCh	71, 50.293, 148.296
Yxy	42.3045, 0.2912, 0.4405
Android (android.graphics.Color)	4284793212 (0xFF64C17C)
YUV	157.3270, -16.4302, -50.2758
Hunter-Lab	65.0419, -37.0736, 22.0411

Details

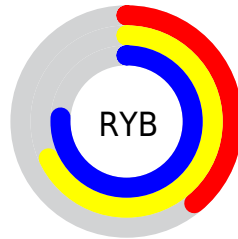
The Yxy color **42.3045, 0.2912, 0.4405** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **23.3202, 0.3465, 0.2397**, and the grayscale version is **33.9622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6135, 0.2965, 0.4176**, and **19.4519, 0.2820, 0.4802** is the 20% darker color. If you saturate the color by 10%, you get **40.9963, 0.2885, 0.4686**, and if you desaturate by 10%, it is **43.9295, 0.2949, 0.4134**.

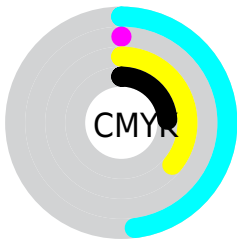
Distribution



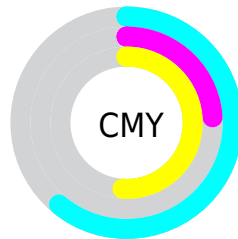
- Red (39%)
- Green (76%)
- Blue (49%)



- Red (39%)
- Yellow (68%)
- Blue (76%)



- Cyan (48%)
- Magenta (0%)
- Yellow (36%)
- Black (24%)




- Cyan (61%)
- Magenta (24%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3045, 0.2912, 0.4405 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 42.3045, 0.2912, 0.4405 by changing the saturation by 10% instead.


 42.3045, 0.2912,
0.4405


 42.3045, 0.2912,
0.4405


355.7437, 0.3040,
0.3803


 29.3398, 0.2872,
0.4570


 78.6603, 0.2964,
0.4176

 19.3380, 0.2816,
0.4790


 102.8201, 0.2982,
0.4093

 11.9148, 0.2731,
0.5097


 131.4805, 0.2997,
0.4024

 6.6857, 0.2594,
0.5552

 165.0257, 0.3008,
0.3966

 3.2663, 0.2354,
0.6307

203.8403, 0.3018,
0.3916

 1.2723, 0.0871,
0.9129

248.3085, 0.3027,

 0.1196, 0.0000,

0.3874

1.0000

298.8149, 0.3034,
0.3836

■ 0.0000, 0.0000,
0.0000

■ 42.3045, 0.2912,
0.4405

■ 42.3045, 0.2912,
0.4405

■ 40.9963, 0.2885,
0.4686

■ 43.9295, 0.2949,
0.4134

■ 39.9787, 0.2870,
0.4966

■ 45.8849, 0.2992,
0.3881

■ 39.2299, 0.2870,
0.5232

■ 48.1901, 0.3039,
0.3649

■ 38.7223, 0.2884,
0.5468


■ 50.8612, 0.3087,
0.3442


■ 38.4146, 0.2911,
0.5663

■ 53.9135, 0.3136,
0.3258

 38.3687, 0.2915,
0.5695

 57.3612, 0.3183,
0.3097

 61.2179, 0.3229,
0.2956

 65.4965, 0.3272,
0.2834

 66.4844, 0.3171,
0.2702

Harmonies

Analogous

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



42.3045, 0.3610, 0.4625



42.3045, 0.2912, 0.4405



42.3045, 0.2309, 0.3740

Triad

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



42.3045, 0.2912, 0.4405



42.3045, 0.2074, 0.2208



42.3045, 0.4462, 0.3360

Complementary

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



42.3045, 0.2912, 0.4405



23.3202, 0.3465, 0.2397

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.



42.3045, 0.3951, 0.2851



42.3045, 0.2912, 0.4405



42.3045, 0.2536, 0.2218

Square

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



42.3045, 0.2912, 0.4405



42.3045, 0.1874, 0.2455



42.3045, 0.3217, 0.2448



42.3045, 0.4547, 0.3901

Rectangle

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



42.3045, 0.2912, 0.4405



42.3045, 0.2037, 0.3224



42.3045, 0.3217, 0.2448



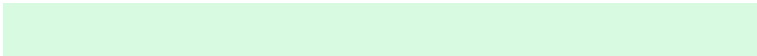
42.3045, 0.4333, 0.3183

Sweetspot

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



42.3062, 0.2912, 0.4405



88.1220, 0.3058, 0.3564



47.5793, 0.3619, 0.4543



18.6885, 0.3047, 0.3611



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.



42.3062, 0.2912, 0.4405



73.2740, 0.2883, 0.4707



43.7435, 0.2630, 0.3646



11.3006, 0.3082, 0.3465



25.5310, 0.2909, 0.5673



1.1148, 0.2781, 0.5211

Inverse Universe

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



23.3202, 0.3465, 0.2397



35.1781, 0.3569, 0.2227



21.8924, 0.4101, 0.2979



10.2017, 0.3176, 0.3121



8.8770, 0.3982, 0.1967



0.3943, 0.3774, 0.1853

Previews

White Background



This preview shows how the Yxy color 42.3045, 0.2912, 0.4405 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 42.3045, 0.2912, 0.4405 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 42.3045, 0.2912, 0.4405

Background



This preview shows how black text looks on a background with the Yxy color 42.3045, 0.2912, 0.4405.



This preview shows how white text looks on a background with the Yxy color 42.3045, 0.2912, 0.4405.

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

42.3045, 0.2912, 0.4405

Protanopia

41.7129, 0.3752, 0.4056

Deuteranopia

41.7215, 0.3827, 0.3751



Tritanopia

42.2561, 0.2539, 0.3073

Trichromacy



Original Color

42.3045, 0.2912, 0.4405



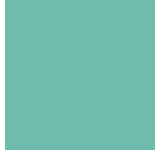
Protanomaly

40.9430, 0.3394, 0.4190



Deuteranomaly

40.7162, 0.3436, 0.3980



Tritanomaly

41.8987, 0.2667, 0.3518

Monochromacy



Original Color

42.3045, 0.2912, 0.4405



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.0280, 0.3029, 0.3682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3045, 0.2912, 0.4405 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(100, 193, 124)` looks like.

```
.text, #text, p{  
    color:rgb(100, 193, 124)  
}
```

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(100, 193, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 193, 124) }
```

Border

The CSS property to change the border of an element to Yxy 42.3045, 0.2912, 0.4405 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(100, 193, 124) }
```

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

```
.border{ border-color:rgb(100, 193, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 193, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 193, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 193, 124); box-shadow:4px 4px 4px 4px rgb(100, 193, 124) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3045, 0.2912, 0.4405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 193, 124) }
```

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

```
.background{ background-color: rgb(100,  
193, 124) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor