

Converting Colors

$Yxy(42.1979, 0.3025, 0.4615)$

Have a look what the booklet for
Yxy(42.1979, 0.3025, 0.4615)
contains.

Yxy(42.2690, 0.3031, 0.4623)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.2690, 0.3031, 0.4623)

Conversions

Conversions Part 1

Format	Color
Hex	69C16E
RGB	105, 193, 110
RGB Percent	41%, 76%, 43%
CMY	0.5881, 0.2431, 0.5686
CMYK	0.46, 0.00, 0.43, 0.24
HSL	123°, 41%, 58%
HSV	123°, 46%, 76%
XYZ	27.7130, 42.2690, 21.4499
YIQ	157.2260, -25.8050, -44.4690

Conversions

Conversions Part 2

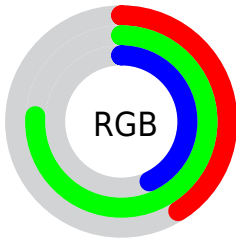
Format	Color
RYB	105, 188, 193
Decimal	6930798
CIELab	71.06, -43.69, 33.72
CIElCh	71, 55.191, 142.336
Yxy	42.2690, 0.3031, 0.4623
Android (android.graphics.Color)	4285120878 (0xFF69C16E)
YUV	157.2260, -23.2824, -45.8022
Hunter-Lab	65.0146, -37.6884, 25.9490

Details

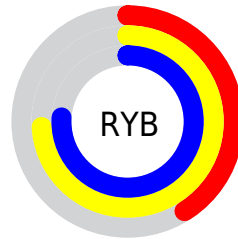
The Yxy color **42.2690, 0.3031, 0.4623** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.0796, 0.3233, 0.2244**, and the grayscale version is **33.9439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5926, 0.3066, 0.4343**, and **19.4199, 0.2956, 0.5095** is the 20% darker color. If you saturate the color by 10%, you get **40.8745, 0.3013, 0.4964**, and if you desaturate by 10%, it is **44.0137, 0.3052, 0.4286**.

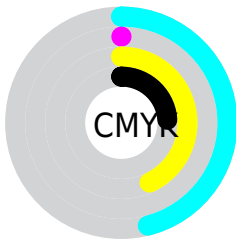
Distribution



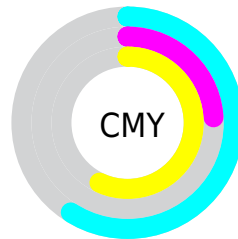
- Red (41%)
- Green (76%)
- Blue (43%)



- Red (41%)
- Yellow (74%)
- Blue (76%)



- Cyan (46%)
- Magenta (0%)
- Yellow (43%)
- Black (24%)




- Cyan (59%)
- Magenta (24%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2690, 0.3031, 0.4623 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 42.2690, 0.3031, 0.4623 by changing the saturation by 10% instead.


 42.2690, 0.3031,
0.4623


 42.2690, 0.3031,
0.4623


355.5968, 0.3108,
0.3902


 29.3120, 0.3000,
0.4819


 78.6066, 0.3067,
0.4348


 19.3170, 0.2954,
0.5081


 102.7559, 0.3078,
0.4249

 11.8995, 0.2876,
0.5442


 131.4049, 0.3086,
0.4167

 6.6753, 0.2739,
0.5965

 164.9378, 0.3092,
0.4097

 3.2599, 0.2567,
0.7044

203.7390, 0.3097,
0.4038

 1.2689, 0.0709,
0.9291

248.1930, 0.3102,

 0.1169, 0.0000,

0.3986

1.0000

298.6841, 0.3105,
0.3941

■ 0.0000, 0.0000,
0.0000

■ 42.2690, 0.3031,
0.4623

■ 42.2690, 0.3031,
0.4623

■ 40.8745, 0.3013,
0.4964

■ 44.0137, 0.3052,
0.4286

■ 39.8018, 0.2998,
0.5288

■ 46.1245, 0.3074,
0.3968

■ 39.0266, 0.2990,
0.5570


■ 48.6224, 0.3095,
0.3678


■ 38.5188, 0.2987,
0.5788

■ 51.5255, 0.3116,
0.3420


■ 38.2415, 0.2991,
0.5928

■ 54.8507, 0.3136,
0.3194

 38.1636, 0.2991,
0.5966

 58.6139, 0.3153,
0.2998

 62.8303, 0.3169,
0.2828

 66.6196, 0.3156,
0.2683

Harmonies

Analogous

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



42.2690, 0.3786, 0.4733



42.2690, 0.3031, 0.4623



42.2690, 0.2343, 0.3954

Triad

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



42.2690, 0.3031, 0.4623



42.2690, 0.1921, 0.2145



42.2690, 0.4515, 0.3240

Complementary

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



42.2690, 0.3031, 0.4623



25.0796, 0.3233, 0.2244

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.



42.2690, 0.3878, 0.2712



42.2690, 0.3031, 0.4623



42.2690, 0.2361, 0.2110

Square

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



42.2690, 0.3031, 0.4623



42.2690, 0.1765, 0.2463



42.2690, 0.3060, 0.2313



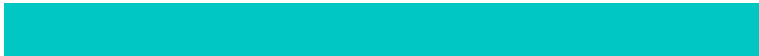
42.2690, 0.4699, 0.3819

Rectangle

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



42.2690, 0.3031, 0.4623



42.2690, 0.2014, 0.3375



42.2690, 0.3060, 0.2313



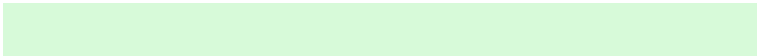
42.2690, 0.4343, 0.3055

Sweetspot

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



42.2708, 0.3031, 0.4623



87.7472, 0.3098, 0.3641



49.9281, 0.3755, 0.4410



18.5983, 0.3094, 0.3701



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.



42.2708, 0.3031, 0.4623



73.1451, 0.3012, 0.4974



43.4586, 0.2759, 0.3907



11.2678, 0.3108, 0.3514



25.3875, 0.2988, 0.5958



1.1002, 0.2946, 0.5805

Inverse Universe

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



25.0796, 0.3233, 0.2244



38.4136, 0.3260, 0.2043



23.4800, 0.3776, 0.2760



10.2374, 0.3146, 0.3076



9.7939, 0.3354, 0.1621



0.4262, 0.3319, 0.1602

Previews

White Background



This preview shows how the Yxy color 42.2690, 0.3031, 0.4623 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 42.2690, 0.3031, 0.4623 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 42.2690, 0.3031, 0.4623

Background



This preview shows how black text looks on a background with the Yxy color 42.2690, 0.3031, 0.4623.



This preview shows how white text looks on a background with the Yxy color 42.2690, 0.3031, 0.4623.

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

42.2690, 0.3031, 0.4623

Protanopia

41.6653, 0.3888, 0.4226

Deuteranopia

41.4366, 0.3992, 0.3907



Tritanopia

42.2293, 0.2580, 0.3074

Trichromacy



Original Color

42.2690, 0.3031, 0.4623



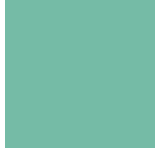
Protanomaly

40.9315, 0.3529, 0.4381



Deuteranomaly

40.4209, 0.3593, 0.4157



Tritanomaly

42.0757, 0.2744, 0.3609

Monochromacy



Original Color

42.2690, 0.3031, 0.4623



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.0462, 0.3087, 0.3761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2690, 0.3031, 0.4623 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(105, 193, 110)` looks like.

```
.text, #text, p{  
    color:rgb(105, 193, 110)  
}
```

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(105, 193, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 193, 110) }
```

Border

The CSS property to change the border of an element to Yxy 42.2690, 0.3031, 0.4623 is called "border". The border property can be set on classes, ids or directly on the HTML element.

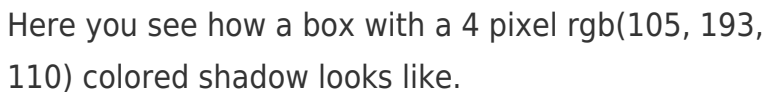
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 193, 110) }
```

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

```
.border{ border-color:rgb(105, 193, 110) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 193, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 193, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 193, 110);  
box-shadow:4px 4px 4px 4px rgb(105, 193,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2690, 0.3031, 0.4623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 193, 110) }
```

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

```
.background{ background-color: rgb(105,  
193, 110) }
```

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