

Converting Colors

Yxy(42.6354, 0.2900, 0.4794)

Have a look what the booklet for
Yxy(42.6354, 0.2900, 0.4794)
contains.

Yxy(42.6354, 0.2900, 0.4794)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.6354, 0.2900, 0.4794)

Conversions

Conversions Part 1

Format	Color
Hex	4FC56A
RGB	79, 197, 106
RGB Percent	31%, 77%, 42%
CMY	0.6903, 0.2274, 0.5843
CMYK	0.60, 0.00, 0.46, 0.23
HSL	134°, 50%, 54%
HSV	134°, 60%, 77%
XYZ	25.7911, 42.6354, 20.5084
YIQ	151.3440, -41.1170, -53.3170

Conversions

Conversions Part 2

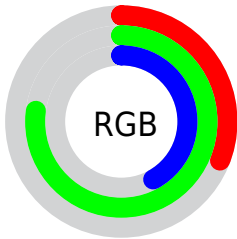
Format	Color
RYB	79, 175, 197
Decimal	5227882
CIELab	71.31, -52.62, 35.88
CIELCh	71, 63.690, 145.707
Yxy	42.6354, 0.2900, 0.4794
Android (android.graphics.Color)	4283417962 (0xFF4FC56A)
YUV	151.3440, -22.3546, -63.4457
Hunter-Lab	65.2958, -43.7621, 27.0850

Details

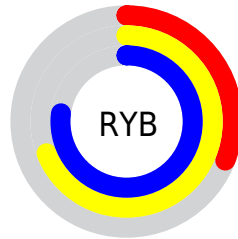
The Yxy color **42.6354, 0.2900, 0.4794** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **20.3609, 0.3532, 0.2174**, and the grayscale version is **31.2121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4265, 0.2961, 0.4480**, and **19.6315, 0.2807, 0.5306** is the 20% darker color. If you saturate the color by 10%, you get **41.6256, 0.2889, 0.5080**, and if you desaturate by 10%, it is **43.9549, 0.2923, 0.4502**.

Distribution



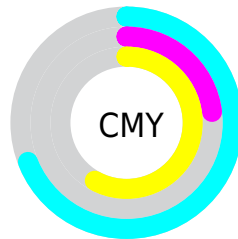
- Red (31%)
- Green (77%)
- Blue (42%)



- Red (31%)
- Yellow (69%)
- Blue (77%)



- Cyan (60%)
- Magenta (0%)
- Yellow (46%)
- Black (23%)




- Cyan (69%)
- Magenta (23%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6354, 0.2900, 0.4794 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 42.6354, 0.2900, 0.4794 by changing the saturation by 10% instead.


 42.6354, 0.2900,
0.4794

 42.6354, 0.2900,
0.4794


357.1102, 0.3050,
0.3975


 29.5991, 0.2849,
0.5019


 79.1604, 0.2964,
0.4481


 19.5345, 0.2773,
0.5318


 103.4179, 0.2985,
0.4368

 12.0571, 0.2656,
0.5732


 132.1846, 0.3002,
0.4274

 6.7826, 0.2458,
0.6331

 165.8449, 0.3015,
0.4195

 3.3265, 0.2214,
0.7649

204.7833, 0.3026,
0.4128

 1.3045, 0.0000,
1.0000

249.3840, 0.3036,

 0.1447, 0.0000,

0.4070

1.0000

300.0315, 0.3043,
0.4019

■ 0.0000, 0.0000,
0.0000

■ 42.6354, 0.2900,
0.4794

■ 42.6354, 0.2900,
0.4794

■ 41.6256, 0.2889,
0.5080

■ 43.9549, 0.2923,
0.4502

■ 40.8944, 0.2891,
0.5345

■ 45.6017, 0.2956,
0.4218

■ 40.4134, 0.2907,
0.5573

■ 47.5981, 0.2995,
0.3950

■ 40.1276, 0.2932,
0.5753

■ 49.9631, 0.3038,
0.3705

■ 40.1254, 0.2932,
0.5754

■ 52.7140, 0.3083,
0.3484

■ 55.8674, 0.3128,
0.3288

■ 59.4385, 0.3171,
0.3117

■ 63.4422, 0.3213,
0.2967

■ 67.6482, 0.3242,
0.2836

Harmonies

Analogous

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



42.6354, 0.3754, 0.4965



42.6354, 0.2900, 0.4794



42.6354, 0.2154, 0.3946

Triad

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



42.6354, 0.2900, 0.4794



42.6354, 0.1813, 0.1982



42.6354, 0.4774, 0.3281

Complementary

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



42.6354, 0.2900, 0.4794



20.3609, 0.3532, 0.2174

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.



42.6354, 0.4087, 0.2693



42.6354, 0.2900, 0.4794



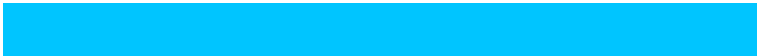
42.6354, 0.2330, 0.1982

Square

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



42.6354, 0.2900, 0.4794



42.6354, 0.1607, 0.2283



42.6354, 0.3145, 0.2234



42.6354, 0.4901, 0.3924

Rectangle

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



42.6354, 0.2900, 0.4794



42.6354, 0.1819, 0.3263



42.6354, 0.3145, 0.2234



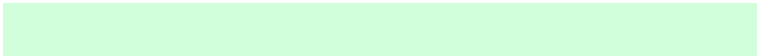
42.6354, 0.4598, 0.3076

Sweetspot

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



42.6372, 0.2900, 0.4794



90.2368, 0.3046, 0.3667



49.2058, 0.3739, 0.4808



19.0243, 0.3033, 0.3736



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



42.6372, 0.2900, 0.4794



74.0773, 0.2888, 0.5168



44.2609, 0.2573, 0.3816



11.9270, 0.3085, 0.3473



26.4015, 0.2926, 0.5734



1.2616, 0.2811, 0.5320

Inverse Universe

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



20.3609, 0.3532, 0.2174



30.6189, 0.3652, 0.2014



18.6389, 0.4430, 0.2870



10.7734, 0.3172, 0.3114



9.3093, 0.3882, 0.1912



0.4513, 0.3714, 0.1820

Previews

White Background



This preview shows how the Yxy color 42.6354, 0.2900, 0.4794 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 42.6354, 0.2900, 0.4794 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 42.6354, 0.2900, 0.4794

Background



This preview shows how black text looks on a background with the Yxy color 42.6354, 0.2900, 0.4794.



This preview shows how white text looks on a background with the Yxy color 42.6354, 0.2900, 0.4794.

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

42.6354, 0.2900, 0.4794

Protanopia

41.6974, 0.3937, 0.4282

Deuteranopia

41.8972, 0.4014, 0.3940



Tritanopia

42.3381, 0.2460, 0.3070

Trichromacy



Original Color

42.6354, 0.2900, 0.4794



Protanomaly

40.8600, 0.3483, 0.4503



Deuteranomaly

40.1690, 0.3523, 0.4251



Tritanomaly

42.0669, 0.2624, 0.3664

Monochromacy



Original Color

42.6354, 0.2900, 0.4794



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

34.1145, 0.3014, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6354, 0.2900, 0.4794 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(79, 197, 106)` looks like.

```
.text, #text, p{  
    color:rgb(79, 197, 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(79, 197, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 197, 106) }
```

Border

The CSS property to change the border of an element to Yxy 42.6354, 0.2900, 0.4794 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(79, 197, 106) }
```

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

```
.border{ border-color:rgb(79, 197, 106) }
```

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

Here you see how a box with a 4 pixel rgb(79, 197, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 197, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 197, 106);  
box-shadow:4px 4px 4px 4px rgb(79, 197,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6354, 0.2900, 0.4794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 197, 106) }
```

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

```
.background{ background-color: rgb(79, 197,  
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](#).

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