

Converting Colors

Yxy(44.4206, 0.3044, 0.4838)

Have a look what the booklet for
Yxy(44.4206, 0.3044, 0.4838)
contains.

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Color

Yxy(44.4391, 0.3042, 0.4842)

Conversions

Conversions Part 1

Format	Color
Hex	63C765
RGB	99, 199, 101
RGB Percent	39%, 78%, 40%
CMY	0.6117, 0.2196, 0.6039
CMYK	0.50, 0.00, 0.49, 0.22
HSL	121°, 47%, 58%
HSV	121°, 50%, 78%
XYZ	27.9190, 44.4391, 19.4203
YIQ	157.9280, -28.1420, -51.6780

Conversions

Conversions Part 2

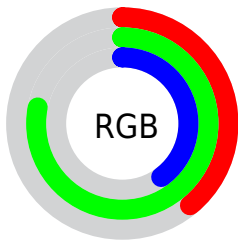
Format	Color
RYB	99, 197, 199
Decimal	6539109
CIELab	72.52, -49.18, 40.04
CIElCh	73, 63.423, 140.850
Yxy	44.4391, 0.3042, 0.4842
Android (android.graphics.Color)	4284729189 (0xFF63C765)
YUV	157.9280, -28.0655, -51.6799
Hunter-Lab	66.6627, -41.9021, 29.3914

Details

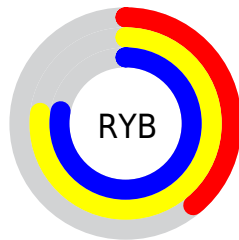
The Yxy color **44.4391, 0.3042, 0.4842** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.0990, 0.3205, 0.2112**, and the grayscale version is **34.2991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9210, 0.3081, 0.4508**, and **20.5788, 0.2950, 0.5356** is the 20% darker color. If you saturate the color by 10%, you get **43.1167, 0.3026, 0.5185**, and if you desaturate by 10%, it is **46.1321, 0.3060, 0.4490**.

Distribution



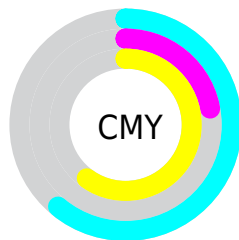
- Red (39%)
- Green (78%)
- Blue (40%)



- Red (39%)
- Yellow (77%)
- Blue (78%)



- Cyan (50%)
- Magenta (0%)
- Yellow (49%)
- Black (22%)




- Cyan (61%)
- Magenta (22%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4391, 0.3042, 0.4842 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 44.4391, 0.3042, 0.4842 by changing the saturation by 10% instead.


 44.4391, 0.3042,
0.4842

 44.4391, 0.3042,
0.4842


364.4971, 0.3123,
0.4006


 31.0159, 0.3007,
0.5067


 81.8781, 0.3082,
0.4525

 20.6109, 0.2951,
0.5362


 106.6626, 0.3094,
0.4410

 12.8399, 0.2858,
0.5765


 136.0030, 0.3102,
0.4314

 7.3184, 0.2692,
0.6331

 170.2837, 0.3109,
0.4233

 3.6620, 0.2489,
0.7511

209.8891, 0.3114,
0.4164

 1.4864, 0.0729,
0.9271

255.2035, 0.3118,

 0.2791, 0.0000,

0.4104

1.0000

306.6114, 0.3121,
0.4052

■ 0.0000, 0.0000,
0.0000

■ 44.4391, 0.3042,
0.4842

■ 44.4391, 0.3042,
0.4842

■ 43.1167, 0.3026,
0.5185

■ 46.1321, 0.3060,
0.4490

■ 42.1321, 0.3012,
0.5492

■ 48.2145, 0.3078,
0.4148

■ 41.4562, 0.3003,
0.5738

■ 50.7105, 0.3096,
0.3832

■ 41.0525, 0.2999,
0.5903

■ 53.6407, 0.3112,
0.3547

■ 40.8567, 0.2997,
0.5988

■ 57.0245, 0.3127,
0.3296

■ 60.8799, 0.3140,
0.3078

■ 65.2240, 0.3152,
0.2889

■ 69.3280, 0.3153,
0.2742

Harmonies

Analogous

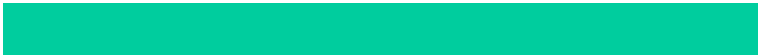
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.4391, 0.3879, 0.4900



44.4391, 0.3042, 0.4842



44.4391, 0.2273, 0.4095

Triad

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



44.4391, 0.3042, 0.4842



44.4391, 0.1779, 0.2028



44.4391, 0.4669, 0.3185

Complementary

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



44.4391, 0.3042, 0.4842



25.0990, 0.3205, 0.2112

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.



44.4391, 0.3927, 0.2619



44.4391, 0.3042, 0.4842



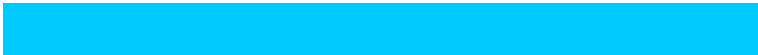
44.4391, 0.2239, 0.1983

Square

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



44.4391, 0.3042, 0.4842



44.4391, 0.1623, 0.2382



44.4391, 0.3000, 0.2194



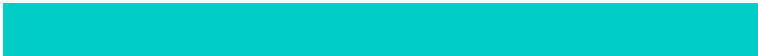
44.4391, 0.4892, 0.3815

Rectangle

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



44.4391, 0.3042, 0.4842



44.4391, 0.1906, 0.3423



44.4391, 0.3000, 0.2194



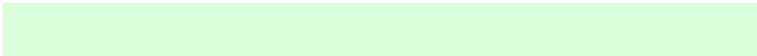
44.4391, 0.4467, 0.2986

Sweetspot

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



44.4410, 0.3042, 0.4842



91.2701, 0.3104, 0.3684



53.6647, 0.3841, 0.4502



19.3044, 0.3100, 0.3746



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.



44.4410, 0.3042, 0.4842



75.3660, 0.3025, 0.5206



45.7249, 0.2751, 0.4040



11.8913, 0.3113, 0.3524



26.2726, 0.2996, 0.5985



1.2452, 0.2981, 0.5933

Inverse Universe

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



25.0990, 0.3205, 0.2112



37.7869, 0.3221, 0.1915



23.1851, 0.3831, 0.2666



10.8128, 0.3141, 0.3067



10.3433, 0.3259, 0.1569



0.4910, 0.3248, 0.1563

Previews

White Background



This preview shows how the Yxy color 44.4391, 0.3042, 0.4842 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 44.4391, 0.3042, 0.4842 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 44.4391, 0.3042, 0.4842

Background



This preview shows how black text looks on a background with the Yxy color 44.4391, 0.3042, 0.4842.



This preview shows how white text looks on a background with the Yxy color 44.4391, 0.3042, 0.4842.

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

44.4391, 0.3042, 0.4842

Protanopia

43.8367, 0.3991, 0.4352

Deuteranopia

43.7762, 0.4098, 0.4015



Tritanopia

44.3432, 0.2543, 0.3077

Trichromacy



Original Color

44.4391, 0.3042, 0.4842



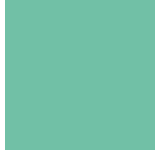
Protanomaly

43.0160, 0.3591, 0.4549



Deuteranomaly

42.4538, 0.3655, 0.4318



Tritanomaly

43.9632, 0.2727, 0.3683

Monochromacy



Original Color

44.4391, 0.3042, 0.4842



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

37.0116, 0.3101, 0.3854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4391, 0.3042, 0.4842 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(99, 199, 101)` looks like.

```
.text, #text, p{  
    color:rgb(99, 199, 101)  
}
```

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(99, 199, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 199, 101) }
```

Border

The CSS property to change the border of an element to Yxy 44.4391, 0.3042, 0.4842 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(99, 199, 101) }
```

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

```
.border{ border-color:rgb(99, 199, 101) }
```

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

Here you see how a box with a 4 pixel rgb(99, 199, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 199, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 199, 101);  
box-shadow:4px 4px 4px 4px rgb(99, 199,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4391, 0.3042, 0.4842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 199, 101) }
```

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

```
.background{ background-color: rgb(99, 199,  
101) }
```

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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