

Converting Colors

$Yxy(44.3477, 0.3371, 0.4797)$

Have a look what the booklet for
Yxy(44.3477, 0.3371, 0.4797)
contains.

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Color

Yxy(44.5072, 0.3364, 0.4796)

Conversions

Conversions Part 1

Format	Color
Hex	87C25C
RGB	135, 194, 92
RGB Percent	53%, 76%, 36%
CMY	0.4705, 0.2392, 0.6391
CMYK	0.30, 0.00, 0.53, 0.24
HSL	95°, 46%, 56%
HSV	95°, 53%, 76%
XYZ	31.2181, 44.5072, 17.0753
YIQ	164.7310, -2.4220, -44.2300

Conversions

Conversions Part 2

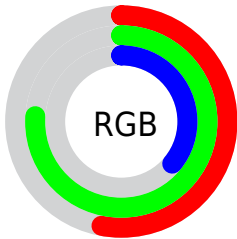
Format	Color
RYB	92, 194, 151
Decimal	8897116
CIELab	72.57, -36.77, 44.85
CIELCh	73, 57.995, 129.349
Yxy	44.5072, 0.3364, 0.4796
Android (android.graphics.Color)	4287087196 (0xFF87C25C)
YUV	164.7310, -35.8564, -26.0741
Hunter-Lab	66.7137, -33.2214, 31.5244

Details

The Yxy color **44.5072, 0.3364, 0.4796** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **18.1332, 0.2697, 0.1858**, and the grayscale version is **37.6707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1151, 0.3345, 0.4496**, and **20.6656, 0.3358, 0.5268** is the 20% darker color. If you saturate the color by 10%, you get **43.3297, 0.3377, 0.5087**, and if you desaturate by 10%, it is **45.8736, 0.3336, 0.4490**.

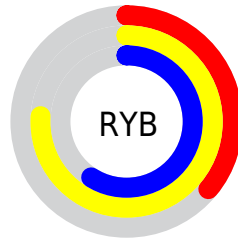
Distribution



Red (53%)

Green (76%)

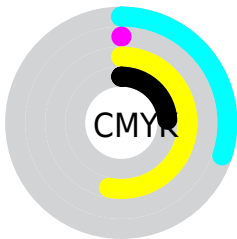
Blue (36%)



Red (36%)

Yellow (76%)

Blue (59%)

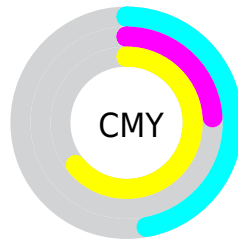


Cyan (30%)

Magenta (0%)

Yellow (53%)

Black (24%)



Cyan (47%)


Magenta (24%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.5072, 0.3364, 0.4796 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 44.5072, 0.3364, 0.4796 by changing the saturation by 10% instead.


 44.5072, 0.3364,
0.4796

 44.5072, 0.3364,
0.4796

364.7740, 0.3283,
0.4001


 31.0694, 0.3368,
0.5002


 81.9804, 0.3346,
0.4500

 20.6517, 0.3361,
0.5268


 106.7847, 0.3336,
0.4390

 12.8697, 0.3330,
0.5619


 136.1465, 0.3325,
0.4299

 7.3389, 0.3246,
0.6097

 170.4504, 0.3316,
0.4221

 3.6749, 0.3098,
0.6902

210.0807, 0.3307,
0.4154

 1.4934, 0.2214,
0.7786

255.4218, 0.3298,

 0.2841, 0.0000,

0.4096

1.0000

306.8581, 0.3290,
0.4045

■ 0.0000, 0.0000,
0.0000

■ 44.5072, 0.3364,
0.4796

■ 44.5072, 0.3364,
0.4796

■ 43.3297, 0.3377,
0.5087

■ 45.8736, 0.3336,
0.4490

■ 42.3254, 0.3372,
0.5346

■ 47.4319, 0.3296,
0.4183

■ 41.4854, 0.3346,
0.5557

■ 49.1925, 0.3248,
0.3886

■ 40.7969, 0.3303,
0.5709

■ 51.1631, 0.3195,
0.3608

■ 40.3682, 0.3264,
0.5791

■ 53.3509, 0.3141,
0.3352

■ 55.7629, 0.3087,
0.3120

■ 58.4057, 0.3034,
0.2911

■ 61.2856, 0.2984,
0.2726

■ 63.6372, 0.3014,
0.2666

Harmonies

Analogous

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



44.5072, 0.4105, 0.4656



44.5072, 0.3364, 0.4796



44.5072, 0.2600, 0.4334

Triad

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



44.5072, 0.3364, 0.4796



44.5072, 0.1784, 0.2214



44.5072, 0.4321, 0.2990

Complementary

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



44.5072, 0.3364, 0.4796



18.1332, 0.2697, 0.1858

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.



44.5072, 0.3537, 0.2498



44.5072, 0.3364, 0.4796



44.5072, 0.2108, 0.2061

Square

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



44.5072, 0.3364, 0.4796



44.5072, 0.1750, 0.2679



44.5072, 0.2717, 0.2169



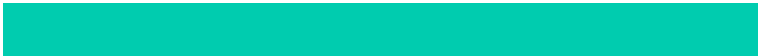
44.5072, 0.4732, 0.3568

Rectangle

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



44.5072, 0.3364, 0.4796



44.5072, 0.2184, 0.3767



44.5072, 0.2717, 0.2169



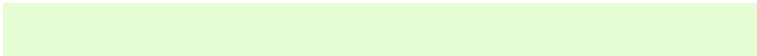
44.5072, 0.4086, 0.2812

Sweetspot

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



44.5091, 0.3364, 0.4796



91.3327, 0.3215, 0.3708



33.9946, 0.4179, 0.4052



19.8362, 0.3226, 0.3767



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.



44.5091, 0.3364, 0.4796



78.2226, 0.3377, 0.5126



41.7576, 0.3012, 0.4846



11.4617, 0.3178, 0.3524



26.5869, 0.3273, 0.5783



1.1892, 0.3455, 0.5638

Inverse Universe

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



18.1332, 0.2697, 0.1858



25.3205, 0.2571, 0.1561



22.7242, 0.3263, 0.2115



10.0291, 0.3072, 0.3058



4.8837, 0.2194, 0.0982



0.2508, 0.2418, 0.1106

Previews

White Background



This preview shows how the Yxy color 44.5072, 0.3364, 0.4796 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 44.5072, 0.3364, 0.4796 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 44.5072, 0.3364, 0.4796

Background



This preview shows how black text looks on a background with the Yxy color 44.5072, 0.3364, 0.4796.



This preview shows how white text looks on a background with the Yxy color 44.5072, 0.3364, 0.4796.

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

44.5072, 0.3364, 0.4796

Protanopia

43.8682, 0.4043, 0.4411

Deuteranopia

43.8567, 0.4209, 0.4128



Tritanopia

44.4775, 0.2770, 0.3098

Trichromacy



Original Color

44.5072, 0.3364, 0.4796

Protanomaly

43.5869, 0.3780, 0.4553

Deuteranomaly

43.2501, 0.3885, 0.4362

Tritanomaly

44.0636, 0.2996, 0.3697

Monochromacy



Original Color

44.5072, 0.3364, 0.4796

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.7557, 0.3242, 0.3854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5072, 0.3364, 0.4796 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(135, 194, 92)` looks like.

```
.text, #text, p{  
    color:rgb(135, 194, 92)  
}
```

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(135, 194, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 194, 92) }
```

Border

The CSS property to change the border of an element to Yxy 44.5072, 0.3364, 0.4796 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(135, 194, 92) }
```

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

```
.border{ border-color:rgb(135, 194, 92) }
```

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

Here you see how a box with a 4 pixel rgb(135, 194, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 194, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 194, 92);  
box-shadow:4px 4px 4px 4px rgb(135, 194,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5072, 0.3364, 0.4796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 194, 92) }
```

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

```
.background{ background-color: rgb(135,  
194, 92) }
```

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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