

Converting Colors

$Yxy(46.0887, 0.3239, 0.4802)$

Have a look what the booklet for
Yxy(46.0887, 0.3239, 0.4802)
contains.

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Color

Yxy(46.0887, 0.3239, 0.4802)

Conversions

Conversions Part 1

Format	Color
Hex	7DC762
RGB	125, 199, 98
RGB Percent	49%, 78%, 38%
CMY	0.5097, 0.2196, 0.6158
CMYK	0.37, 0.00, 0.51, 0.22
HSL	104°, 47%, 58%
HSV	104°, 51%, 78%
XYZ	31.0873, 46.0887, 18.8021
YIQ	165.3600, -11.6830, -47.0990

Conversions

Conversions Part 2

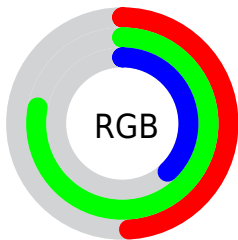
Format	Color
RYB	98, 199, 172
Decimal	8243042
CIELab	73.60, -41.72, 43.12
CIELCh	74, 59.998, 134.060
Yxy	46.0887, 0.3239, 0.4802
Android (android.graphics.Color)	4286433122 (0xFF7DC762)
YUV	165.3600, -33.2085, -35.3957
Hunter-Lab	67.8887, -37.0671, 31.1014

Details

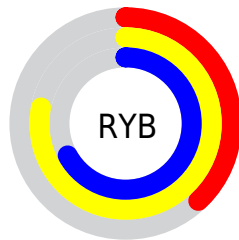
The Yxy color **46.0887, 0.3239, 0.4802** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **21.6139, 0.2884, 0.1968**, and the grayscale version is **37.9781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5781, 0.3244, 0.4488**, and **21.4538, 0.3204, 0.5283** is the 20% darker color. If you saturate the color by 10%, you get **44.7430, 0.3237, 0.5120**, and if you desaturate by 10%, it is **47.6927, 0.3230, 0.4473**.

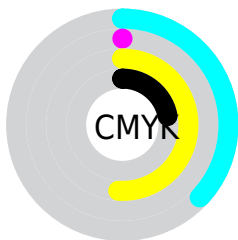
Distribution



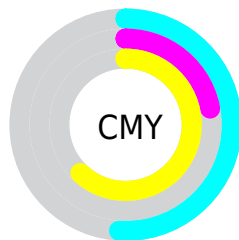
- Red (49%)
- Green (78%)
- Blue (38%)



- Red (38%)
- Yellow (78%)
- Blue (67%)



- Cyan (37%)
- Magenta (0%)
- Yellow (51%)
- Black (22%)



- Cyan (51%)
- Magenta (22%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0887, 0.3239, 0.4802 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 46.0887, 0.3239, 0.4802 by changing the saturation by 10% instead.


 46.0887, 0.3239,
0.4802


 46.0887, 0.3239,
0.4802


371.1651, 0.3221,
0.4001

 32.3158, 0.3228,
0.5011


 84.3517, 0.3243,
0.4503


 21.6028, 0.3204,
0.5283


 109.6107, 0.3241,
0.4393

 13.5654, 0.3153,
0.5645


 139.4671, 0.3238,
0.4300

 7.8190, 0.3043,
0.6141

 174.3054, 0.3235,
0.4222

 3.9793, 0.2908,
0.7092

214.5099, 0.3231,
0.4155

 1.6620, 0.1990,
0.8010

260.4651, 0.3228,

 0.3989, 0.0000,

0.4097

1.0000

312.5554, 0.3224,
0.4046

■ 0.0000, 0.0000,
0.0000

■ 46.0887, 0.3239,
0.4802

■ 46.0887, 0.3239,
0.4802

■ 44.7430, 0.3237,
0.5120

■ 47.6927, 0.3230,
0.4473

■ 43.6355, 0.3222,
0.5406

■ 49.5618, 0.3212,
0.4150

■ 42.7527, 0.3193,
0.5641

■ 51.7100, 0.3188,
0.3845

■ 42.0769, 0.3153,
0.5810

■ 54.1486, 0.3160,
0.3563

■ 41.6128, 0.3112,
0.5911

■ 56.8880, 0.3130,
0.3309

■ 59.9384, 0.3099,
0.3082

■ 63.3092, 0.3069,
0.2881

■ 66.8697, 0.3054,
0.2725

■ 69.3272, 0.3153,
0.2742

Harmonies

Analogous

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



46.0887, 0.4013, 0.4738



46.0887, 0.3239, 0.4802



46.0887, 0.2477, 0.4235

Triad

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



46.0887, 0.3239, 0.4802



46.0887, 0.1792, 0.2148



46.0887, 0.4446, 0.3070

Complementary

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



46.0887, 0.3239, 0.4802



21.6139, 0.2884, 0.1968

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.



46.0887, 0.3683, 0.2552



46.0887, 0.3239, 0.4802



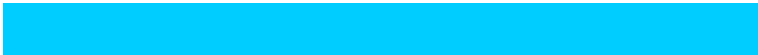
46.0887, 0.2166, 0.2039

Square

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



46.0887, 0.3239, 0.4802



46.0887, 0.1710, 0.2566



46.0887, 0.2828, 0.2187



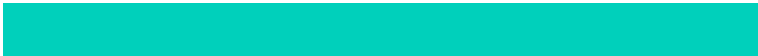
46.0887, 0.4784, 0.3664

Rectangle

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



46.0887, 0.3239, 0.4802



46.0887, 0.2082, 0.3630



46.0887, 0.2828, 0.2187



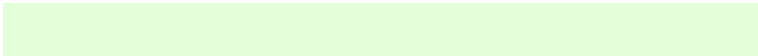
46.0887, 0.4225, 0.2885

Sweetspot

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



46.0907, 0.3239, 0.4802



92.8474, 0.3172, 0.3685



41.9126, 0.4035, 0.4207



19.6789, 0.3178, 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.



46.0907, 0.3239, 0.4802



78.1034, 0.3236, 0.5154



44.7941, 0.2928, 0.4549



12.0230, 0.3155, 0.3526



26.7949, 0.3120, 0.5905



1.3054, 0.3282, 0.5776

Inverse Universe

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



21.6139, 0.2884, 0.1968



30.4236, 0.2808, 0.1706



24.0487, 0.3438, 0.2305



10.6682, 0.3096, 0.3059



6.6070, 0.2546, 0.1176



0.3469, 0.2690, 0.1256

Previews

White Background



This preview shows how the Yxy color 46.0887, 0.3239, 0.4802 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 46.0887, 0.3239, 0.4802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

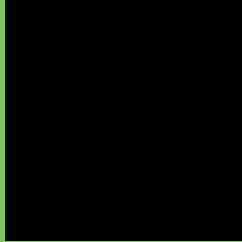
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0887, 0.3239, 0.4802

Background



This preview shows how black text looks on a background with the Yxy color 46.0887, 0.3239, 0.4802.



This preview shows how white text looks on a background with the Yxy color 46.0887, 0.3239, 0.4802.

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

46.0887, 0.3239, 0.4802

Protanopia

45.5573, 0.4017, 0.4377

Deuteranopia

45.5850, 0.4160, 0.4077



Tritanopia

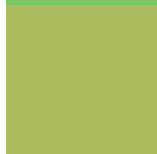
46.1179, 0.2682, 0.3085

Trichromacy



Original Color

46.0887, 0.3239, 0.4802



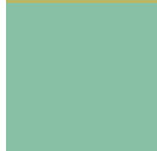
Protanomaly

45.1195, 0.3707, 0.4545



Deuteranomaly

44.7295, 0.3799, 0.4342



Tritanomaly

45.6501, 0.2887, 0.3682

Monochromacy



Original Color

46.0887, 0.3239, 0.4802



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

39.8514, 0.3180, 0.3828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0887, 0.3239, 0.4802 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(125, 199, 98)` looks like.

```
.text, #text, p{  
    color:rgb(125, 199, 98)  
}
```

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(125, 199, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 199, 98) }
```

Border

The CSS property to change the border of an element to Yxy 46.0887, 0.3239, 0.4802 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(125, 199, 98) }
```

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

```
.border{ border-color:rgb(125, 199, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 199, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 199, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 199, 98);  
box-shadow:4px 4px 4px 4px rgb(125, 199,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0887, 0.3239, 0.4802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 199, 98) }
```

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

```
.background{ background-color: rgb(125,  
199, 98) }
```

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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