

Converting Colors

$Y_{xy}(46.0974, 0.3475, 0.5205)$

Have a look what the booklet for
Yxy(46.0974, 0.3475, 0.5205)
contains.

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Color

Yxy(46.0893, 0.3476, 0.5204)

Conversions

Conversions Part 1

Format	Color
Hex	84C73D
RGB	132, 199, 61
RGB Percent	52%, 78%, 24%
CMY	0.4822, 0.2196, 0.7607
CMYK	0.34, 0.00, 0.69, 0.22
HSL	89°, 55%, 51%
HSV	89°, 69%, 78%
XYZ	30.7852, 46.0893, 11.6906
YIQ	163.2350, 4.3660, -57.1220

Conversions

Conversions Part 2

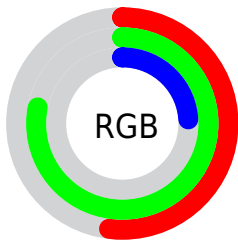
Format	Color
RYB	61, 199, 128
Decimal	8701757
CIELab	73.60, -42.84, 59.43
CIELCh	74, 73.264, 125.788
Yxy	46.0893, 0.3476, 0.5204
Android (android.graphics.Color)	4286891837 (0xFF84C73D)
YUV	163.2350, -50.4019, -27.3931
Hunter-Lab	67.8891, -37.8627, 37.3125

Details

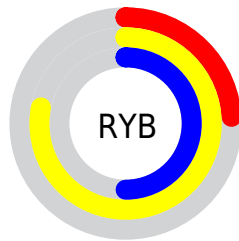
The Yxy color **46.0893, 0.3476, 0.5204** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **12.0514, 0.2368, 0.1367**, and the grayscale version is **36.9889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5998, 0.3462, 0.4832**, and **21.7873, 0.3412, 0.5673** is the 20% darker color. If you saturate the color by 10%, you get **45.1719, 0.3467, 0.5418**, and if you desaturate by 10%, it is **47.1624, 0.3463, 0.4949**.

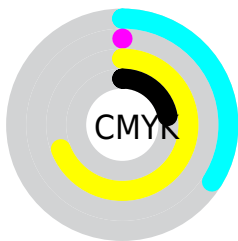
Distribution



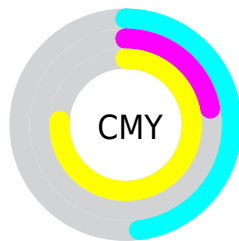
- Red (52%)
- Green (78%)
- Blue (24%)



- Red (24%)
- Yellow (78%)
- Blue (50%)



- Cyan (34%)
- Magenta (0%)
- Yellow (69%)
- Black (22%)



- Cyan (48%)
- Magenta (22%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0893, 0.3476, 0.5204 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 46.0893, 0.3476, 0.5204 by changing the saturation by 10% instead.


 46.0893, 0.3476,
0.5204


 46.0893, 0.3476,
0.5204


371.1675, 0.3373,
0.4209


 32.3163, 0.3471,
0.5448


 84.3526, 0.3460,
0.4842


 21.6032, 0.3443,
0.5751

 109.6117, 0.3447,
0.4705


 13.5656, 0.3370,
0.6129


 139.4683, 0.3434,
0.4590

 7.8192, 0.3270,
0.6730

 174.3068, 0.3420,
0.4491

 3.9795, 0.2854,
0.7146

 214.5116, 0.3407,
0.4406

 1.6621, 0.1883,
0.8117

260.4671, 0.3395,

 0.3989, 0.0000,

0.4332

1.0000

312.5576, 0.3383,
0.4267

■ 0.0000, 0.0000,
0.0000

■ 46.0893, 0.3476,
0.5204

■ 46.0893, 0.3476,
0.5204

■ 45.1719, 0.3467,
0.5418

■ 47.1624, 0.3463,
0.4949

■ 44.3929, 0.3435,
0.5579

■ 48.3948, 0.3432,
0.4666


■ 43.7359, 0.3386,
0.5689


■ 49.7975, 0.3384,
0.4371

■ 43.6952, 0.3383,
0.5696


■ 51.3783, 0.3326,
0.4076

■ 53.1446, 0.3260,
0.3791

 55.1033, 0.3192,
0.3522

 57.2611, 0.3123,
0.3274

 59.6240, 0.3055,
0.3048

 62.1979, 0.2990,
0.2845

Harmonies

Analogous

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



46.0893, 0.4360, 0.4861



46.0893, 0.3476, 0.5204



46.0893, 0.2552, 0.4747

Triad

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



46.0893, 0.3476, 0.5204



46.0893, 0.1507, 0.2022



46.0893, 0.4515, 0.2828

Complementary

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



46.0893, 0.3476, 0.5204



12.0514, 0.2368, 0.1367

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.



46.0893, 0.3495, 0.2278



46.0893, 0.3476, 0.5204



46.0893, 0.1837, 0.1826

Square

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



46.0893, 0.3476, 0.5204



46.0893, 0.1497, 0.2601



46.0893, 0.2509, 0.1925



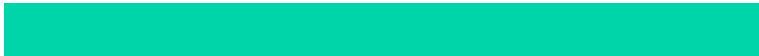
46.0893, 0.5086, 0.3483

Rectangle

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



46.0893, 0.3476, 0.5204



46.0893, 0.2038, 0.4023



46.0893, 0.2509, 0.1925



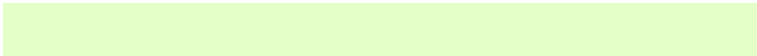
46.0893, 0.4201, 0.2628

Sweetspot

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



46.0913, 0.3476, 0.5204



92.4178, 0.3274, 0.3846



27.8418, 0.4716, 0.4093



19.5925, 0.3292, 0.3925



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.



46.0913, 0.3476, 0.5204



78.3989, 0.3454, 0.5503



42.2507, 0.3033, 0.5492



12.1517, 0.3192, 0.3523



28.1498, 0.3392, 0.5688



1.3759, 0.3551, 0.5563

Inverse Universe

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



12.0514, 0.2368, 0.1367



15.0913, 0.2172, 0.1064



19.2928, 0.3171, 0.1752



10.5358, 0.3057, 0.3057



4.3228, 0.2004, 0.0878



0.2478, 0.2237, 0.1006

Previews

White Background



This preview shows how the Yxy color 46.0893, 0.3476, 0.5204 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 46.0893, 0.3476, 0.5204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

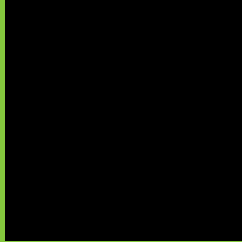
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0893, 0.3476, 0.5204

Background



This preview shows how black text looks on a background with the Yxy color 46.0893, 0.3476, 0.5204.



This preview shows how white text looks on a background with the Yxy color 46.0893, 0.3476, 0.5204.

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

46.0893, 0.3476, 0.5204

Protanopia

45.4846, 0.4258, 0.4679

Deuteranopia

45.4280, 0.4459, 0.4362



Tritanopia

45.9142, 0.2747, 0.3087

Trichromacy



Original Color

46.0893, 0.3476, 0.5204

Protanomaly

45.1932, 0.3957, 0.4878

Deuteranomaly

44.5294, 0.4090, 0.4668

Tritanomaly

45.3929, 0.3052, 0.3887

Monochromacy



Original Color

46.0893, 0.3476, 0.5204

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

39.2324, 0.3321, 0.4041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0893, 0.3476, 0.5204 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(132, 199, 61)` looks like.

```
.text, #text, p{  
    color:rgb(132, 199, 61)  
}
```

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(132, 199, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 199, 61) }
```

Border

The CSS property to change the border of an element to Yxy 46.0893, 0.3476, 0.5204 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(132, 199, 61) }
```

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

```
.border{ border-color:rgb(132, 199, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 199, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 199, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 199, 61);  
box-shadow:4px 4px 4px 4px rgb(132, 199,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0893, 0.3476, 0.5204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 199, 61) }
```

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

```
.background{ background-color: rgb(132,  
199, 61) }
```

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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