

Converting Colors

$Yxy(44.5269, 0.3673, 0.4506)$

Have a look what the booklet for
Yxy(44.5269, 0.3673, 0.4506)
contains.

Yxy(44.5269, 0.3673, 0.4506)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.5269, 0.3673, 0.4506)

Conversions

Conversions Part 1

Format	Color
Hex	AABA61
RGB	170, 186, 97
RGB Percent	67%, 73%, 38%
CMY	0.3333, 0.2706, 0.6195
CMYK	0.09, 0.00, 0.48, 0.27
HSL	71°, 39%, 55%
HSV	71°, 48%, 73%
XYZ	36.2955, 44.5269, 17.9946
YIQ	171.0700, 19.0330, -31.0710

Conversions

Conversions Part 2

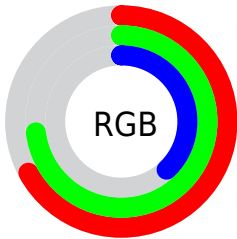
Format	Color
RYB	97, 186, 113
Decimal	11188833
CIELab	72.58, -19.06, 42.97
CIELCh	73, 47.004, 113.918
Yxy	44.5269, 0.3673, 0.4506
Android (android.graphics.Color)	4289378913 (0xFFAABA61)
YUV	171.0700, -36.5165, -0.9384
Hunter-Lab	66.7285, -19.6838, 30.7213

Details

The Yxy color **44.5269, 0.3673, 0.4506** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **15.6097, 0.2376, 0.1859**, and the grayscale version is **40.9435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0051, 0.3596, 0.4282**, and **20.6933, 0.3777, 0.4854** is the 20% darker color. If you saturate the color by 10%, you get **43.8536, 0.3760, 0.4737**, and if you desaturate by 10%, it is **45.2951, 0.3570, 0.4255**.

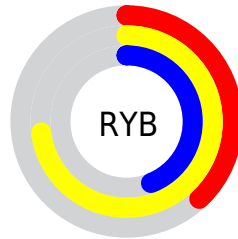
Distribution



Red (67%)

Green (73%)

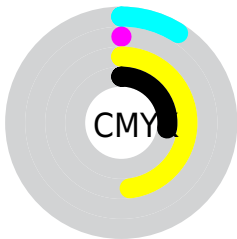
Blue (38%)



Red (38%)

Yellow (73%)

Blue (44%)

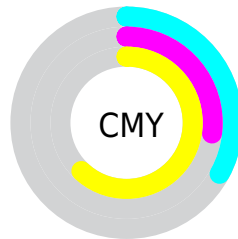


Cyan (9%)

Magenta (0%)

Yellow (48%)

Black (27%)



Cyan (33%)


Magenta (27%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5269, 0.3673, 0.4506 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 44.5269, 0.3673, 0.4506 by changing the saturation by 10% instead.


 44.5269, 0.3673,
0.4506


 44.5269, 0.3673,
0.4506


364.8541, 0.3423,
0.3883


 31.0849, 0.3723,
0.4661


 82.0100, 0.3590,
0.4279


 20.6635, 0.3779,
0.4856


 106.8200, 0.3557,
0.4194

 12.8783, 0.3837,
0.5108

 136.1880, 0.3527,
0.4122

 7.3448, 0.3881,
0.5436

 170.4986, 0.3501,
0.4060

 3.6786, 0.3975,
0.6025

210.1362, 0.3478,
0.4007

 1.4955, 0.3647,
0.6353

255.4850, 0.3458,

 0.2855, 0.0000,

0.3960

1.0000

306.9295, 0.3440,
0.3919

0.0000, 0.0000,
0.0000

44.5269, 0.3673,
0.4506

44.5269, 0.3673,
0.4506

43.8536, 0.3760,
0.4737

45.2951, 0.3570,
0.4255

43.2632, 0.3827,
0.4937

46.1573, 0.3457,
0.3995

42.7513, 0.3870,
0.5098


47.1206, 0.3339,
0.3734

42.3101, 0.3887,
0.5214


48.1892, 0.3219,
0.3481

41.9278, 0.3881,
0.5288

49.3676, 0.3102,
0.3239

 41.8487, 0.3879,
0.5302

 50.6596, 0.2990,
0.3013

 52.0689, 0.2884,
0.2804

 53.5992, 0.2785,
0.2613

 54.6322, 0.2751,
0.2528

Harmonies

Analogous

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



44.5269, 0.4201, 0.4252



44.5269, 0.3673, 0.4506



44.5269, 0.3029, 0.4364

Triad

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



44.5269, 0.3673, 0.4506



44.5269, 0.1955, 0.2578



44.5269, 0.3794, 0.2823

Complementary

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



44.5269, 0.3673, 0.4506



15.6097, 0.2376, 0.1859

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.



44.5269, 0.3113, 0.2464



44.5269, 0.3673, 0.4506



44.5269, 0.2106, 0.2304

Square

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



44.5269, 0.3673, 0.4506



44.5269, 0.2067, 0.3112



44.5269, 0.2505, 0.2278



44.5269, 0.4307, 0.3291

Rectangle

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



44.5269, 0.3673, 0.4506



44.5269, 0.2622, 0.4024



44.5269, 0.2505, 0.2278



44.5269, 0.3572, 0.2687

Sweetspot

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



44.5289, 0.3673, 0.4506



86.0828, 0.3295, 0.3642



22.8578, 0.4317, 0.3501



18.8666, 0.3321, 0.3697



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



44.5289, 0.3673, 0.4506



79.4730, 0.3761, 0.4739



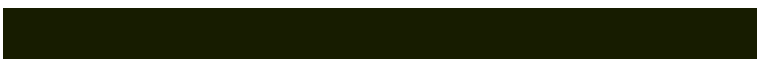
40.4698, 0.3285, 0.4678



10.4195, 0.3237, 0.3518



28.1832, 0.3883, 0.5299



1.0151, 0.3968, 0.5231

Inverse Universe

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



15.6097, 0.2376, 0.1859



21.0268, 0.2183, 0.1526



19.1999, 0.2837, 0.2024



8.7951, 0.3011, 0.3056



2.6315, 0.1591, 0.0650



0.1166, 0.1822, 0.0778

Previews

White Background



This preview shows how the Yxy color 44.5269, 0.3673, 0.4506 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 44.5269, 0.3673, 0.4506 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 44.5269, 0.3673, 0.4506

Background



This preview shows how black text looks on a background with the Yxy color 44.5269, 0.3673, 0.4506.



This preview shows how white text looks on a background with the Yxy color 44.5269, 0.3673, 0.4506.

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

44.5269, 0.3673, 0.4506

Protanopia

44.3847, 0.3987, 0.4347

Deuteranopia

44.4407, 0.4187, 0.4104



Tritanopia

44.5485, 0.3066, 0.3121

Trichromacy



Original Color

44.5269, 0.3673, 0.4506

Protanomaly

44.4388, 0.3875, 0.4406

Deuteranomaly

44.2501, 0.3993, 0.4243

Tritanomaly

44.3899, 0.3296, 0.3617

Monochromacy



Original Color

44.5269, 0.3673, 0.4506

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.7222, 0.3349, 0.3740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5269, 0.3673, 0.4506 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(170, 186, 97)` looks like.

```
.text, #text, p{  
    color:rgb(170, 186, 97)  
}
```

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(170, 186, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 186, 97) }
```

Border

The CSS property to change the border of an element to Yxy 44.5269, 0.3673, 0.4506 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(170, 186, 97) }
```

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

```
.border{ border-color:rgb(170, 186, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 186, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 186, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 186, 97);  
box-shadow:4px 4px 4px 4px rgb(170, 186,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5269, 0.3673, 0.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 186, 97) }
```

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

```
.background{ background-color: rgb(170,  
186, 97) }
```

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