

Converting Colors

$Yxy(46.0009, 0.3396, 0.4213)$

Have a look what the booklet for
Yxy(46.0009, 0.3396, 0.4213)
contains.

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Color

Yxy(46.0687, 0.3402, 0.4218)

Conversions

Conversions Part 1

Format	Color
Hex	A3BE7C
RGB	163, 190, 124
RGB Percent	64%, 75%, 49%
CMY	0.3607, 0.2549, 0.5138
CMYK	0.14, 0.00, 0.35, 0.25
HSL	85°, 34%, 62%
HSV	85°, 35%, 75%
XYZ	37.1564, 46.0687, 25.9942
YIQ	174.4030, 5.0940, -26.2500

Conversions

Conversions Part 2

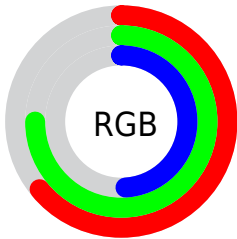
Format	Color
RYB	124, 190, 151
Decimal	10731132
CIELab	73.59, -20.57, 30.40
CIELCh	74, 36.700, 124.086
Yxy	46.0687, 0.3402, 0.4218
Android (android.graphics.Color)	4288921212 (0xFFA3BE7C)
YUV	174.4030, -24.8487, -10.0004
Hunter-Lab	67.8739, -21.0626, 24.8050

Details

The Yxy color **46.0687, 0.3402, 0.4218** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **24.7035, 0.2763, 0.2333**, and the grayscale version is **42.6750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1459, 0.3364, 0.4038**, and **21.7007, 0.3453, 0.4511** is the 20% darker color. If you saturate the color by 10%, you get **44.8405, 0.3468, 0.4504**, and if you desaturate by 10%, it is **47.4439, 0.3327, 0.3935**.

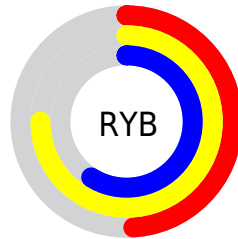
Distribution



Red (64%)

Green (75%)

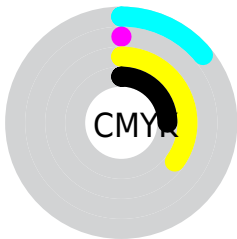
Blue (49%)



Red (49%)

Yellow (75%)

Blue (59%)

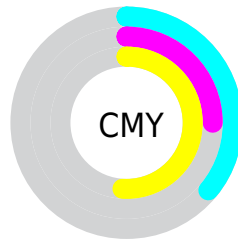


Cyan (14%)

Magenta (0%)

Yellow (35%)

Black (25%)



Cyan (36%)


Magenta (25%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0687, 0.3402, 0.4218 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 46.0687, 0.3402, 0.4218 by changing the saturation by 10% instead.


 46.0687, 0.3402,
0.4218


 46.0687, 0.3402,
0.4218


371.0848, 0.3277,
0.3738

 32.3000, 0.3428,
0.4342


 84.3218, 0.3360,
0.4040

 21.5908, 0.3458,
0.4502


 109.5750, 0.3343,
0.3975

 13.5565, 0.3490,
0.4717


 139.4252, 0.3329,
0.3919

 7.8129, 0.3520,
0.5017

174.2568, 0.3316,
0.3872

 3.9754, 0.3538,
0.5473

214.4542, 0.3304,
0.3832

 1.6598, 0.3593,
0.6407

260.4017, 0.3294,

 0.3974, 0.0000,

0.3796

1.0000

312.4838, 0.3285,
0.3765

0.0000, 0.0000,
0.0000

46.0687, 0.3402,
0.4218

46.0687, 0.3402,
0.4218

44.8405, 0.3468,
0.4504

47.4439, 0.3327,
0.3935

43.7471, 0.3520,
0.4781

48.9658, 0.3247,
0.3662

42.7836, 0.3554,
0.5036


50.6419, 0.3166,
0.3405

41.9425, 0.3566,
0.5257


52.4773, 0.3085,
0.3168

41.2151, 0.3555,
0.5431

54.4768, 0.3008,
0.2951


 40.5913, 0.3520,
0.5554

 56.6451, 0.2934,
0.2755

 40.2949, 0.3497,
0.5605

 58.8585, 0.2877,
0.2598

 60.0796, 0.2934,
0.2609

 61.3576, 0.2991,
0.2620

Harmonies

Analogous

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



46.0687, 0.3856, 0.4141



46.0687, 0.3402, 0.4218



46.0687, 0.2896, 0.3983

Triad

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



46.0687, 0.3402, 0.4218



46.0687, 0.2212, 0.2643



46.0687, 0.3801, 0.3047

Complementary

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



46.0687, 0.3402, 0.4218



24.7035, 0.2763, 0.2333

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.



46.0687, 0.3303, 0.2717



46.0687, 0.3402, 0.4218



46.0687, 0.2406, 0.2481

Square

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



46.0687, 0.3402, 0.4218



46.0687, 0.2234, 0.3005



46.0687, 0.2793, 0.2514



46.0687, 0.4111, 0.3446

Rectangle

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



46.0687, 0.3402, 0.4218



46.0687, 0.2598, 0.3681



46.0687, 0.2793, 0.2514



46.0687, 0.3647, 0.2926

Sweetspot

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



46.0707, 0.3402, 0.4218



90.0884, 0.3210, 0.3542



34.3387, 0.3814, 0.3654



19.6887, 0.3221, 0.3579



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



46.0707, 0.3402, 0.4218



81.6955, 0.3455, 0.4445



43.0746, 0.3130, 0.4301



10.9208, 0.3203, 0.3521



26.8397, 0.3506, 0.5599



1.0887, 0.3670, 0.5468

Inverse Universe

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



24.7035, 0.2763, 0.2333



36.9516, 0.2656, 0.2089



28.2437, 0.3097, 0.2422



9.4107, 0.3046, 0.3057



3.5832, 0.1870, 0.0804



0.1787, 0.2153, 0.0960

Previews

White Background



This preview shows how the Yxy color 46.0687, 0.3402, 0.4218 looks on a white background.

Color Contrast Check

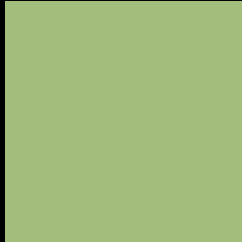
Large Text (above 18pt) WCAG AA × Fail

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 46.0687, 0.3402, 0.4218 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 46.0687, 0.3402, 0.4218

Background



This preview shows how black text looks on a background with the Yxy color 46.0687, 0.3402, 0.4218.



This preview shows how white text looks on a background with the Yxy color 46.0687, 0.3402, 0.4218.

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

46.0687, 0.3402, 0.4218

Protanopia

45.7343, 0.3773, 0.4063

Deuteranopia

45.8927, 0.3919, 0.3838



Tritanopia

45.9175, 0.2946, 0.3094

Trichromacy



Original Color

46.0687, 0.3402, 0.4218

Protanomaly

45.8518, 0.3635, 0.4130

Deuteranomaly

45.5083, 0.3720, 0.3963

Tritanomaly

45.6183, 0.3110, 0.3481

Monochromacy



Original Color

46.0687, 0.3402, 0.4218

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.5889, 0.3233, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0687, 0.3402, 0.4218 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(163, 190, 124)` looks like.

```
.text, #text, p{  
    color:rgb(163, 190, 124)  
}
```

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(163, 190, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 190, 124) }
```

Border

The CSS property to change the border of an element to Yxy 46.0687, 0.3402, 0.4218 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(163, 190, 124) }
```

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

```
.border{ border-color:rgb(163, 190, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 190, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 190, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 190, 124);  
box-shadow:4px 4px 4px 4px rgb(163, 190,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0687, 0.3402, 0.4218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 190, 124) }
```

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

```
.background{ background-color: rgb(163,  
190, 124) }
```

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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