

Converting Colors

$Yxy(48.1597, 0.3496, 0.4285)$

Have a look what the booklet for
Yxy(48.1597, 0.3496, 0.4285)
contains.

Yxy(48.1539, 0.3492, 0.4284)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(48.1539, 0.3492, 0.4284)

Conversions

Conversions Part 1

Format	Color
Hex	ABC178
RGB	171, 193, 120
RGB Percent	67%, 76%, 47%
CMY	0.3295, 0.2431, 0.5294
CMYK	0.11, 0.00, 0.38, 0.24
HSL	78°, 37%, 61%
HSV	78°, 38%, 76%
XYZ	39.2515, 48.1539, 24.9987
YIQ	178.1000, 10.3210, -27.3670

Conversions

Conversions Part 2

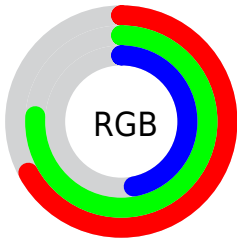
Format	Color
RYB	120, 193, 142
Decimal	11256184
CIELab	74.92, -19.56, 34.30
CIELCh	75, 39.483, 119.700
Yxy	48.1539, 0.3492, 0.4284
Android (android.graphics.Color)	4289446264 (0xFFABC178)
YUV	178.1000, -28.6433, -6.2267
Hunter-Lab	69.3930, -20.4709, 27.2160

Details

The Yxy color **48.1539, 0.3492, 0.4284** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.0417, 0.2645, 0.2215**, and the grayscale version is **44.7265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0994, 0.3437, 0.4095**, and **22.7590, 0.3575, 0.4569** is the 20% darker color. If you saturate the color by 10%, you get **47.0938, 0.3573, 0.4553**, and if you desaturate by 10%, it is **49.3415, 0.3400, 0.4010**.

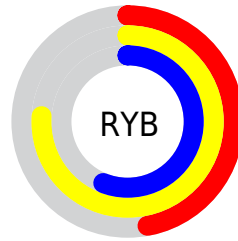
Distribution



Red (67%)

Green (76%)

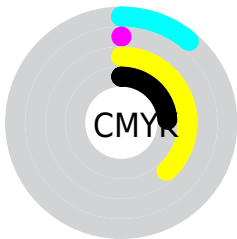
Blue (47%)



Red (47%)

Yellow (76%)

Blue (56%)

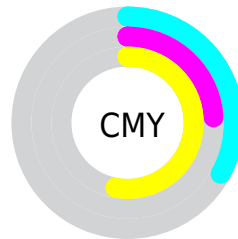


Cyan (11%)

Magenta (0%)

Yellow (38%)

Black (24%)



Cyan (33%)


Magenta (24%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1539, 0.3492, 0.4284 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 48.1539, 0.3492, 0.4284 by changing the saturation by 10% instead.

 48.1539, 0.3492,
0.4284


 48.1539, 0.3492,
0.4284


379.4018, 0.3325,
0.3776


 33.9488, 0.3527,
0.4412


 87.4335, 0.3436,
0.4098

 22.8543, 0.3567,
0.4577


 113.2768, 0.3414,
0.4028

 14.4859, 0.3612,
0.4794


 143.7682, 0.3394,
0.3970

 8.4594, 0.3656,
0.5090

179.2922, 0.3377,
0.3920

 4.3903, 0.3699,
0.5537

220.2332, 0.3362,
0.3876

 1.8942, 0.3712,
0.6288

266.9755, 0.3348,

 0.5449, 0.0689,

0.3838

0.9311

319.9036, 0.3336,
0.3805

0.0000, 0.0000,
0.0000

48.1539, 0.3492,
0.4284

48.1539, 0.3492,
0.4284

47.0938, 0.3573,
0.4553

49.3415, 0.3400,
0.4010

46.1488, 0.3639,
0.4806

50.6559, 0.3303,
0.3740

45.3144, 0.3684,
0.5031

52.1044, 0.3204,
0.3482


44.5829, 0.3705,
0.5218


53.6919, 0.3106,
0.3239


43.9456, 0.3701,
0.5357


55.4229, 0.3011,
0.3014


 43.3897, 0.3675,
0.5451

 57.3019, 0.2922,
0.2808

 43.2747, 0.3668,
0.5469

 59.3252, 0.2838,
0.2623

 60.2054, 0.2880,
0.2631

 61.1172, 0.2922,
0.2639

Harmonies

Analogous

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



48.1539, 0.3954, 0.4153



48.1539, 0.3492, 0.4284



48.1539, 0.2955, 0.4086

Triad

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



48.1539, 0.3492, 0.4284



48.1539, 0.2152, 0.2647



48.1539, 0.3772, 0.2975

Complementary

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



48.1539, 0.3492, 0.4284



23.0417, 0.2645, 0.2215

Split Complementary

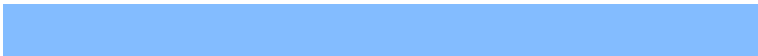
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.1539, 0.3230, 0.2646



48.1539, 0.3492, 0.4284



48.1539, 0.2323, 0.2448

Square

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



48.1539, 0.3492, 0.4284



48.1539, 0.2207, 0.3057



48.1539, 0.2702, 0.2456



48.1539, 0.4141, 0.3387

Rectangle

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



48.1539, 0.3492, 0.4284



48.1539, 0.2629, 0.3783



48.1539, 0.2702, 0.2456



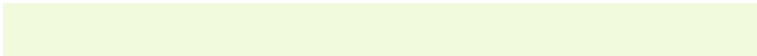
48.1539, 0.3601, 0.2853

Sweetspot

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



48.1560, 0.3492, 0.4284



92.4121, 0.3237, 0.3567



32.0150, 0.3930, 0.3590



19.7488, 0.3251, 0.3602



97.7402, 0.3127, 0.3290



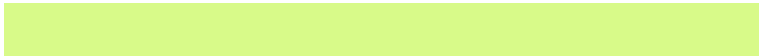
20.4902, 0.3127, 0.3290

Same Dimension

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



48.1560, 0.3492, 0.4284



84.7205, 0.3557, 0.4497



44.6195, 0.3185, 0.4388



11.6009, 0.3219, 0.3521



28.8229, 0.3675, 0.5464



1.2799, 0.3795, 0.5369

Inverse Universe

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



23.0417, 0.2645, 0.2215



33.6155, 0.2517, 0.1962



26.8004, 0.3016, 0.2322



9.8921, 0.3029, 0.3055



3.2012, 0.1713, 0.0717



0.1752, 0.1970, 0.0859

Previews

White Background



This preview shows how the Yxy color 48.1539, 0.3492, 0.4284 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 48.1539, 0.3492, 0.4284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

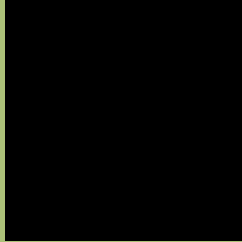
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.1539, 0.3492, 0.4284

Background



This preview shows how black text looks on a background with the Yxy color 48.1539, 0.3492, 0.4284.



This preview shows how white text looks on a background with the Yxy color 48.1539, 0.3492, 0.4284.

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

48.1539, 0.3492, 0.4284

Protanopia

47.9828, 0.3825, 0.4130

Deuteranopia

47.7215, 0.3986, 0.3908



Tritanopia

48.1820, 0.2996, 0.3111

Trichromacy



Original Color

48.1539, 0.3492, 0.4284

Protanomaly

47.7958, 0.3702, 0.4185

Deuteranomaly

47.4425, 0.3796, 0.4033

Tritanomaly

47.7900, 0.3175, 0.3516

Monochromacy



Original Color

48.1539, 0.3492, 0.4284

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.4153, 0.3265, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1539, 0.3492, 0.4284 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(171, 193, 120)` looks like.

```
.text, #text, p{  
    color:rgb(171, 193, 120)  
}
```

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(171, 193, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 193, 120) }
```

Border

The CSS property to change the border of an element to Yxy 48.1539, 0.3492, 0.4284 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(171, 193, 120) }
```

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

```
.border{ border-color:rgb(171, 193, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 193, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 193, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 193, 120);  
box-shadow:4px 4px 4px 4px rgb(171, 193,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1539, 0.3492, 0.4284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 193, 120) }
```

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

```
.background{ background-color: rgb(171,  
193, 120) }
```

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