

Converting Colors

$Y_{xy}(48.1962, 0.3533, 0.4263)$

Have a look what the booklet for
Yxy(48.1962, 0.3533, 0.4263)
contains.

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Color

Yxy(48.1693, 0.3531, 0.4261)

Conversions

Conversions Part 1

Format	Color
Hex	AFC078
RGB	175, 192, 120
RGB Percent	69%, 75%, 47%
CMY	0.3138, 0.2470, 0.5294
CMYK	0.09, 0.00, 0.38, 0.25
HSL	74°, 36%, 61%
HSV	74°, 38%, 75%
XYZ	39.9169, 48.1693, 24.9608
YIQ	178.7090, 12.9800, -25.9960

Conversions

Conversions Part 2

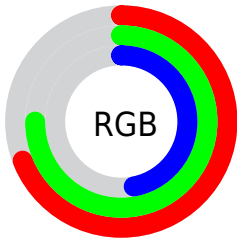
Format	Color
RYB	120, 192, 137
Decimal	11518072
CIELab	74.93, -17.51, 34.37
CIELCh	75, 38.578, 116.996
Yxy	48.1693, 0.3531, 0.4261
Android (android.graphics.Color)	4289708152 (0xFFAFC078)
YUV	178.7090, -28.9435, -3.2528
Hunter-Lab	69.4041, -18.7952, 27.2596

Details

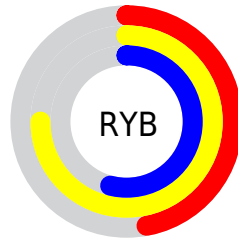
The Yxy color **48.1693, 0.3531, 0.4261** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **22.5573, 0.2605, 0.2213**, and the grayscale version is **45.0679, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1409, 0.3467, 0.4079**, and **22.9724, 0.3611, 0.4552** is the 20% darker color. If you saturate the color by 10%, you get **47.2348, 0.3624, 0.4521**, and if you desaturate by 10%, it is **49.2192, 0.3428, 0.3994**.

Distribution



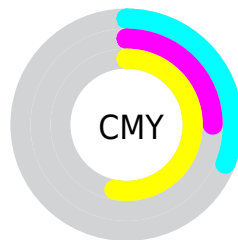
- Red (69%)
- Green (75%)
- Blue (47%)



- Red (47%)
- Yellow (75%)
- Blue (54%)



- Cyan (9%)
- Magenta (0%)
- Yellow (38%)
- Black (25%)





- Cyan (31%)
- Magenta (25%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1693, 0.3531, 0.4261 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 48.1693, 0.3531, 0.4261 by changing the saturation by 10% instead.


 48.1693, 0.3531,
0.4261


 48.1693, 0.3531,
0.4261


379.4628, 0.3344,
0.3767


 33.9610, 0.3571,
0.4385


 87.4564, 0.3468,
0.4080

 22.8636, 0.3618,
0.4544


 113.3040, 0.3442,
0.4013

 14.4928, 0.3672,
0.4752


 143.8001, 0.3420,
0.3956

 8.4642, 0.3729,
0.5035

179.3292, 0.3401,
0.3907

 4.3934, 0.3792,
0.5460

220.2756, 0.3384,
0.3865

 1.8960, 0.3839,
0.6161

267.0238, 0.3370,

 0.5460, 0.1434,

0.3828

0.8566

319.9580, 0.3356,
0.3795

0.0000, 0.0000,
0.0000

48.1693, 0.3531,
0.4261

48.1693, 0.3531,
0.4261

47.2348, 0.3624,
0.4521

49.2192, 0.3428,
0.3994

46.4035, 0.3702,
0.4763

50.3834, 0.3319,
0.3729

45.6711, 0.3759,
0.4976

51.6690, 0.3209,
0.3473

45.0305, 0.3793,
0.5150


53.0806, 0.3100,
0.3231


44.4732, 0.3801,
0.5278

54.6226, 0.2997,
0.3006

 43.9872, 0.3785,
0.5363

 56.2991, 0.2898,
0.2799

 43.8718, 0.3780,
0.5381

 58.1140, 0.2806,
0.2611

 58.8146, 0.2834,
0.2611

 59.4955, 0.2867,
0.2617

Harmonies

Analogous

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



48.1693, 0.3968, 0.4111



48.1693, 0.3531, 0.4261



48.1693, 0.3007, 0.4097

Triad

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



48.1693, 0.3531, 0.4261



48.1693, 0.2167, 0.2690



48.1693, 0.3714, 0.2949

Complementary

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



48.1693, 0.3531, 0.4261



22.5573, 0.2605, 0.2213

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.



48.1693, 0.3178, 0.2636



48.1693, 0.3531, 0.4261



48.1693, 0.2316, 0.2475

Square

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



48.1693, 0.3531, 0.4261



48.1693, 0.2243, 0.3108



48.1693, 0.2671, 0.2465



48.1693, 0.4096, 0.3349

Rectangle

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



48.1693, 0.3531, 0.4261



48.1693, 0.2681, 0.3817



48.1693, 0.2671, 0.2465



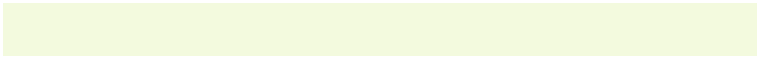
48.1693, 0.3543, 0.2832

Sweetspot

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



48.1714, 0.3531, 0.4261



92.7317, 0.3249, 0.3566



30.3974, 0.3946, 0.3523



19.8254, 0.3264, 0.3601



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.



48.1714, 0.3531, 0.4261



85.8675, 0.3609, 0.4476



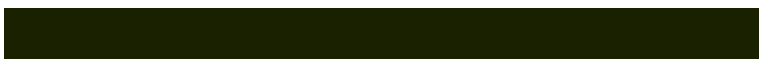
44.5648, 0.3224, 0.4364



11.6345, 0.3229, 0.3520



29.5553, 0.3785, 0.5377



1.3068, 0.3881, 0.5301

Inverse Universe

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



22.5573, 0.2605, 0.2213



32.8087, 0.2461, 0.1943



26.0998, 0.2966, 0.2316



9.8603, 0.3019, 0.3055



2.9723, 0.1639, 0.0677



0.1612, 0.1876, 0.0807

Previews

White Background



This preview shows how the Yxy color 48.1693, 0.3531, 0.4261 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 48.1693, 0.3531, 0.4261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

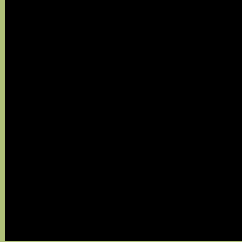
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.1693, 0.3531, 0.4261

Background



This preview shows how black text looks on a background with the Yxy color 48.1693, 0.3531, 0.4261.



This preview shows how white text looks on a background with the Yxy color 48.1693, 0.3531, 0.4261.

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

48.1693, 0.3531, 0.4261

Protanopia

47.9828, 0.3825, 0.4130

Deuteranopia

47.8781, 0.3996, 0.3906



Tritanopia

48.2125, 0.3036, 0.3113

Trichromacy



Original Color

48.1693, 0.3531, 0.4261

Protanomaly

48.0551, 0.3720, 0.4179

Deuteranomaly

47.7233, 0.3815, 0.4027

Tritanomaly

47.8061, 0.3218, 0.3514

Monochromacy



Original Color

48.1693, 0.3531, 0.4261

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.2146, 0.3282, 0.3640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1693, 0.3531, 0.4261 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(175, 192, 120)` looks like.

```
.text, #text, p{  
    color:rgb(175, 192, 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(175, 192, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 192, 120) }
```

Border

The CSS property to change the border of an element to Yxy 48.1693, 0.3531, 0.4261 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(175, 192, 120) }
```

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

```
.border{ border-color:rgb(175, 192, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 192, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 192, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 192, 120);  
box-shadow:4px 4px 4px 4px rgb(175, 192,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1693, 0.3531, 0.4261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 192, 120) }
```

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

```
.background{ background-color: rgb(175,  
192, 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](#).

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