

Converting Colors

$Yxy(49.7189, 0.3426, 0.4363)$

Have a look what the booklet for
Yxy(49.7189, 0.3426, 0.4363)
contains.

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Color

Yxy(49.7436, 0.3425, 0.4358)

Conversions

Conversions Part 1

Format	Color
Hex	A5C678
RGB	165, 198, 120
RGB Percent	65%, 78%, 47%
CMY	0.3531, 0.2235, 0.5295
CMYK	0.17, 0.00, 0.39, 0.22
HSL	85°, 41%, 62%
HSV	85°, 39%, 78%
XYZ	39.0940, 49.7436, 25.3055
YIQ	179.2410, 5.3700, -31.2540

Conversions

Conversions Part 2

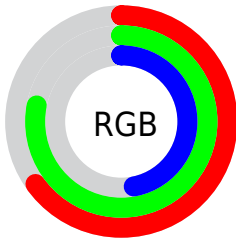
Format	Color
RYB	120, 198, 153
Decimal	10864248
CIELab	75.91, -24.33, 35.50
CIElCh	76, 43.038, 124.419
Yxy	49.7436, 0.3425, 0.4358
Android (android.graphics.Color)	4289054328 (0xFFA5C678)
YUV	179.2410, -29.2058, -12.4894
Hunter-Lab	70.5291, -24.4841, 28.0974

Details

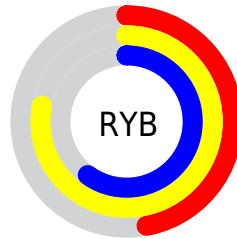
The Yxy color **49.7436, 0.3425, 0.4358** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.2845, 0.2711, 0.2190**, and the grayscale version is **45.3678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9093, 0.3384, 0.4161**, and **23.8335, 0.3479, 0.4668** is the 20% darker color. If you saturate the color by 10%, you get **48.4437, 0.3483, 0.4644**, and if you desaturate by 10%, it is **51.2063, 0.3356, 0.4070**.

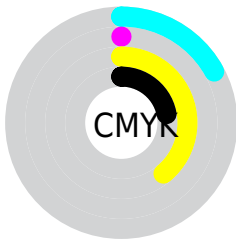
Distribution



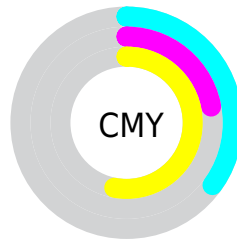
- Red (65%)
- Green (78%)
- Blue (47%)



- Red (47%)
- Yellow (78%)
- Blue (60%)



- Cyan (17%)
- Magenta (0%)
- Yellow (39%)
- Black (22%)



- Cyan (35%)
- Magenta (22%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7436, 0.3425, 0.4358 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 49.7436, 0.3425, 0.4358 by changing the saturation by 10% instead.

 49.7436, 0.3425,
0.4358


 49.7436, 0.3425,
0.4358


385.6624, 0.3295,
0.3811

 35.2097, 0.3450,
0.4496


 89.7949, 0.3383,
0.4157

 23.8245, 0.3476,
0.4674


 116.0810, 0.3366,
0.4082

 15.2035, 0.3502,
0.4909


 147.0534, 0.3351,
0.4019

 8.9623, 0.3519,
0.5230

183.0964, 0.3337,
0.3965

 4.7166, 0.3516,
0.5708

224.5944, 0.3325,
0.3919

 2.0820, 0.3465,
0.6535

271.9318, 0.3314,

 0.6545, 0.0413,

0.3878

0.9587

325.4930, 0.3304,
0.3843

0.0000, 0.0000,
0.0000

49.7436, 0.3425,
0.4358

49.7436, 0.3425,
0.4358

48.4437, 0.3483,
0.4644

51.2063, 0.3356,
0.4070

47.2928, 0.3524,
0.4916

52.8320, 0.3280,
0.3789

46.2849, 0.3546,
0.5160


54.6291, 0.3202,
0.3523


45.4112, 0.3544,
0.5362


56.6035, 0.3122,
0.3276


44.6611, 0.3519,
0.5514

58.7610, 0.3045,
0.3049

 44.0171, 0.3475,
0.5619

 61.1066, 0.2972,
0.2844

 43.9809, 0.3473,
0.5625

 63.4118, 0.2925,
0.2692

 64.7829, 0.2985,
0.2703

 66.2212, 0.3046,
0.2714

Harmonies

Analogous

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



49.7436, 0.3945, 0.4257



49.7436, 0.3425, 0.4358



49.7436, 0.2851, 0.4087

Triad

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



49.7436, 0.3425, 0.4358



49.7436, 0.2097, 0.2548



49.7436, 0.3902, 0.3016

Complementary

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



49.7436, 0.3425, 0.4358



24.2845, 0.2711, 0.2190

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.



49.7436, 0.3331, 0.2648



49.7436, 0.3425, 0.4358



49.7436, 0.2315, 0.2376

Square

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



49.7436, 0.3425, 0.4358



49.7436, 0.2117, 0.2951



49.7436, 0.2750, 0.2419



49.7436, 0.4255, 0.3460

Rectangle

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



49.7436, 0.3425, 0.4358



49.7436, 0.2517, 0.3733



49.7436, 0.2750, 0.2419



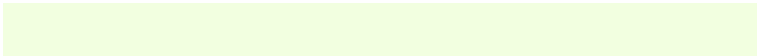
49.7436, 0.3726, 0.2881

Sweetspot

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



49.7458, 0.3425, 0.4358



95.8072, 0.3224, 0.3595



35.9824, 0.3930, 0.3722



20.4150, 0.3234, 0.3630



0.0000, 0.0000, 0.0000



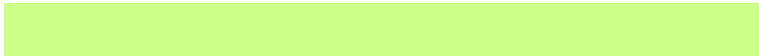
21.4041, 0.3127, 0.3290

Same Dimension

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



49.7458, 0.3425, 0.4358



86.1426, 0.3474, 0.4596



46.2239, 0.3118, 0.4467



12.1846, 0.3201, 0.3523



28.6482, 0.3482, 0.5618



1.3985, 0.3628, 0.5502

Inverse Universe

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



24.2845, 0.2711, 0.2190



35.0197, 0.2597, 0.1936



28.6508, 0.3104, 0.2308



10.5034, 0.3048, 0.3056



3.9219, 0.1893, 0.0816



0.2282, 0.2134, 0.0949

Previews

White Background



This preview shows how the Yxy color 49.7436, 0.3425, 0.4358 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 49.7436, 0.3425, 0.4358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

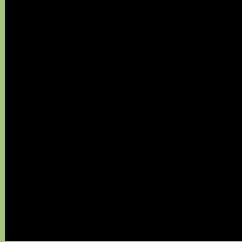
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7436, 0.3425, 0.4358

Background



This preview shows how black text looks on a background with the Yxy color 49.7436, 0.3425, 0.4358.



This preview shows how white text looks on a background with the Yxy color 49.7436, 0.3425, 0.4358.

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

49.7436, 0.3425, 0.4358

Protanopia

49.6390, 0.3846, 0.4166

Deuteranopia

49.5427, 0.4007, 0.3932



Tritanopia

49.6253, 0.2929, 0.3099

Trichromacy



Original Color

49.7436, 0.3425, 0.4358

Protanomaly

49.4931, 0.3692, 0.4242

Deuteranomaly

49.2444, 0.3787, 0.4075

Tritanomaly

49.6006, 0.3115, 0.3542

Monochromacy



Original Color

49.7436, 0.3425, 0.4358

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.5851, 0.3245, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7436, 0.3425, 0.4358 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(165, 198, 120)` looks like.

```
.text, #text, p{  
    color:rgb(165, 198, 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(165, 198, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 198, 120) }
```

Border

The CSS property to change the border of an element to Yxy 49.7436, 0.3425, 0.4358 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(165, 198, 120) }
```

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

```
.border{ border-color:rgb(165, 198, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 198, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 198, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 198, 120);  
box-shadow:4px 4px 4px 4px rgb(165, 198,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7436, 0.3425, 0.4358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 198, 120) }
```

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

```
.background{ background-color: rgb(165,  
198, 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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