

Converting Colors

$Yxy(45.1831, 0.3482, 0.4387)$

Have a look what the booklet for
Yxy(45.1831, 0.3482, 0.4387)
contains.

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Color

Yxy(45.1200, 0.3481, 0.4391)

Conversions

Conversions Part 1

Format	Color
Hex	A1BD6F
RGB	161, 189, 111
RGB Percent	63%, 74%, 44%
CMY	0.3685, 0.2588, 0.5646
CMYK	0.15, 0.00, 0.41, 0.26
HSL	82°, 37%, 59%
HSV	82°, 41%, 74%
XYZ	35.7692, 45.1200, 21.8664
YIQ	171.7360, 8.3500, -30.1940

Conversions

Conversions Part 2

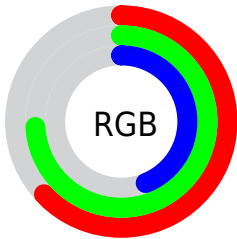
Format	Color
RYB	111, 189, 139
Decimal	10599791
CIELab	72.97, -22.51, 36.28
CIELCh	73, 42.691, 121.816
Yxy	45.1200, 0.3481, 0.4391
Android (android.graphics.Color)	4288789871 (0xFFA1BD6F)
YUV	171.7360, -29.9428, -9.4155
Hunter-Lab	67.1714, -22.4975, 27.7192

Details

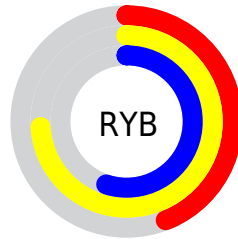
The Yxy color **45.1200, 0.3481, 0.4391** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **20.5340, 0.2636, 0.2121**, and the grayscale version is **41.2692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7369, 0.3429, 0.4174**, and **21.1334, 0.3548, 0.4736** is the 20% darker color. If you saturate the color by 10%, you get **44.0632, 0.3547, 0.4665**, and if you desaturate by 10%, it is **46.3071, 0.3403, 0.4111**.

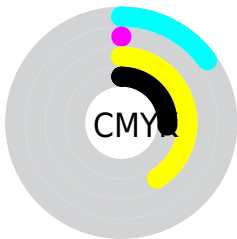
Distribution



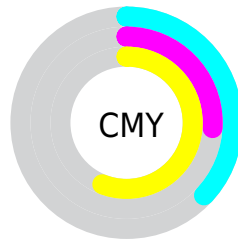
- Red (63%)
- Green (74%)
- Blue (44%)



- Red (44%)
- Yellow (74%)
- Blue (55%)



- Cyan (15%)
- Magenta (0%)
- Yellow (41%)
- Black (26%)





- Cyan (37%)
- Magenta (26%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1200, 0.3481, 0.4391 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 45.1200, 0.3481, 0.4391 by changing the saturation by 10% instead.


 45.1200, 0.3481,
0.4391

 45.1200, 0.3481,
0.4391


367.2593, 0.3322,
0.3820

 31.5520, 0.3512,
0.4537

 82.9005, 0.3429,
0.4180


 21.0195, 0.3547,
0.4726


 107.8817, 0.3407,
0.4102

 13.1383, 0.3582,
0.4977


 137.4360, 0.3389,
0.4036

 7.5238, 0.3605,
0.5320

 171.9480, 0.3372,
0.3980

 3.7918, 0.3677,
0.5957

211.8019, 0.3357,
0.3932

 1.5578, 0.3436,
0.6564

257.3822, 0.3344,

 0.3289, 0.0000,

0.3889

1.0000

309.0732, 0.3333,
0.3853

0.0000, 0.0000,
0.0000

45.1200, 0.3481,
0.4391

45.1200, 0.3481,
0.4391

44.0632, 0.3547,
0.4665

46.3071, 0.3403,
0.4111

43.1245, 0.3596,
0.4920

47.6241, 0.3317,
0.3835

42.2990, 0.3624,
0.5144

49.0785, 0.3228,
0.3569


41.5789, 0.3629,
0.5327


50.6750, 0.3138,
0.3320

40.9552, 0.3608,
0.5460

52.4185, 0.3051,
0.3090

 40.4740, 0.3576,
0.5543

 54.3134, 0.2968,
0.2879

 56.3638, 0.2889,
0.2688

 58.1006, 0.2861,
0.2584

 59.1499, 0.2911,
0.2594

Harmonies

Analogous

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



45.1200, 0.4002, 0.4255



45.1200, 0.3481, 0.4391



45.1200, 0.2892, 0.4148

Triad

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



45.1200, 0.3481, 0.4391



45.1200, 0.2067, 0.2557



45.1200, 0.3877, 0.2972

Complementary

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



45.1200, 0.3481, 0.4391



20.5340, 0.2636, 0.2121

Split Complementary

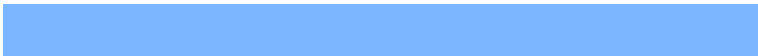
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.1200, 0.3281, 0.2607



45.1200, 0.3481, 0.4391



45.1200, 0.2269, 0.2362

Square

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



45.1200, 0.3481, 0.4391



45.1200, 0.2108, 0.2987



45.1200, 0.2694, 0.2389



45.1200, 0.4265, 0.3421

Rectangle

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



45.1200, 0.3481, 0.4391



45.1200, 0.2542, 0.3796



45.1200, 0.2694, 0.2389



45.1200, 0.3691, 0.2838

Sweetspot

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



45.1220, 0.3481, 0.4391



87.6490, 0.3236, 0.3593



30.2323, 0.4005, 0.3671



18.7733, 0.3248, 0.3627



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.



45.1220, 0.3481, 0.4391



79.0021, 0.3544, 0.4652



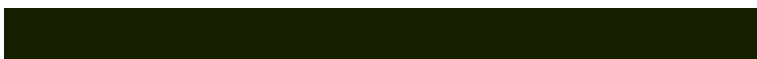
41.7320, 0.3157, 0.4512



10.9447, 0.3211, 0.3520



27.2772, 0.3584, 0.5537



1.1040, 0.3732, 0.5418

Inverse Universe

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



20.5340, 0.2636, 0.2121



28.7377, 0.2489, 0.1822



24.4286, 0.3045, 0.2249



9.3874, 0.3038, 0.3057



3.3334, 0.1792, 0.0761



0.1678, 0.2077, 0.0918

Previews

White Background



This preview shows how the Yxy color 45.1200, 0.3481, 0.4391 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 45.1200, 0.3481, 0.4391 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 45.1200, 0.3481, 0.4391

Background



This preview shows how black text looks on a background with the Yxy color 45.1200, 0.3481, 0.4391.



This preview shows how white text looks on a background with the Yxy color 45.1200, 0.3481, 0.4391.

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

45.1200, 0.3481, 0.4391

Protanopia

44.9038, 0.3873, 0.4213

Deuteranopia

44.8107, 0.4044, 0.3967



Tritanopia

44.8611, 0.2960, 0.3105

Trichromacy



Original Color

45.1200, 0.3481, 0.4391

Protanomaly

45.0170, 0.3730, 0.4287

Deuteranomaly

44.6578, 0.3822, 0.4117

Tritanomaly

44.8361, 0.3157, 0.3566

Monochromacy



Original Color

45.1200, 0.3481, 0.4391

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.3676, 0.3267, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1200, 0.3481, 0.4391 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(161, 189, 111)` looks like.

```
.text, #text, p{  
    color:rgb(161, 189, 111)  
}
```

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(161, 189, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 189, 111) }
```

Border

The CSS property to change the border of an element to Yxy 45.1200, 0.3481, 0.4391 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(161, 189, 111) }
```

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

```
.border{ border-color:rgb(161, 189, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 189, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 189, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 189, 111);  
box-shadow:4px 4px 4px 4px rgb(161, 189,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1200, 0.3481, 0.4391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 189, 111) }
```

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

```
.background{ background-color: rgb(161,  
189, 111) }
```

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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