

Converting Colors

$Yxy(45.0281, 0.3459, 0.4216)$

Have a look what the booklet for
Yxy(45.0281, 0.3459, 0.4216)
contains.

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Color

Yxy(45.0281, 0.3459, 0.4216)

Conversions

Conversions Part 1

Format	Color
Hex	A6BB79
RGB	166, 187, 121
RGB Percent	65%, 73%, 47%
CMY	0.3491, 0.2666, 0.5255
CMYK	0.11, 0.00, 0.35, 0.27
HSL	79°, 33%, 60%
HSV	79°, 35%, 73%
XYZ	36.9431, 45.0281, 24.8317
YIQ	173.1970, 8.6700, -24.9780

Conversions

Conversions Part 2

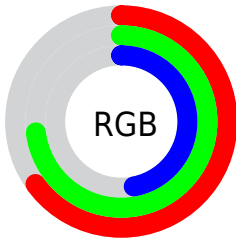
Format	Color
RYB	121, 187, 142
Decimal	10926969
CIELab	72.91, -18.34, 31.10
CIELCh	73, 36.105, 120.526
Yxy	45.0281, 0.3459, 0.4216
Android (android.graphics.Color)	4289117049 (0xFFA6BB79)
YUV	173.1970, -25.7331, -6.3118
Hunter-Lab	67.1030, -19.1582, 25.0316

Details

The Yxy color **45.0281, 0.3459, 0.4216** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.0161, 0.2696, 0.2301**, and the grayscale version is **42.0241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6868, 0.3408, 0.4037**, and **21.0158, 0.3532, 0.4506** is the 20% darker color. If you saturate the color by 10%, you get **43.9858, 0.3540, 0.4489**, and if you desaturate by 10%, it is **46.1932, 0.3369, 0.3941**.

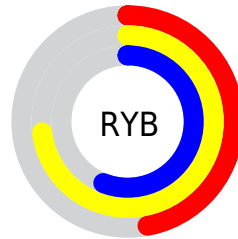
Distribution



Red (65%)

Green (73%)

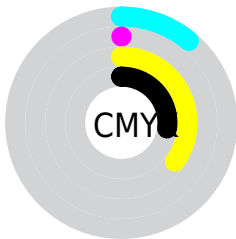
Blue (47%)



Red (47%)

Yellow (73%)

Blue (56%)

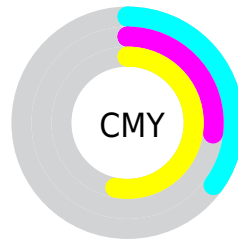


Cyan (11%)

Magenta (0%)

Yellow (35%)

Black (27%)



Cyan (35%)


Magenta (27%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0281, 0.3459, 0.4216 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 45.0281, 0.3459, 0.4216 by changing the saturation by 10% instead.


 45.0281, 0.3459,
0.4216

 45.0281, 0.3459,
0.4216

366.8874, 0.3305,
0.3737

 31.4796, 0.3492,
0.4339


 82.7626, 0.3406,
0.4039

 20.9643, 0.3531,
0.4498


 107.7173, 0.3386,
0.3973

 13.0979, 0.3576,
0.4711


 137.2429, 0.3367,
0.3918

 7.4960, 0.3622,
0.5007

171.7237, 0.3352,
0.3871

 3.7742, 0.3675,
0.5473

211.5442, 0.3338,
0.3831

 1.5481, 0.3709,
0.6291

257.0887, 0.3325,

 0.3222, 0.0000,

0.3796

1.0000

308.7416, 0.3314,
0.3765

0.0000, 0.0000,
0.0000

45.0281, 0.3459,
0.4216

45.0281, 0.3459,
0.4216

43.9858, 0.3540,
0.4489

46.1932, 0.3369,
0.3941

43.0547, 0.3607,
0.4750

47.4802, 0.3274,
0.3673

42.2307, 0.3655,
0.4987


48.8960, 0.3178,
0.3418

41.5071, 0.3680,
0.5187


50.4450, 0.3083,
0.3180

40.8760, 0.3680,
0.5343

52.1314, 0.2992,
0.2961


 40.3278, 0.3657,
0.5450

 53.9594, 0.2906,
0.2761

 40.0895, 0.3641,
0.5491

 55.9328, 0.2826,
0.2580

 57.0091, 0.2849,
0.2560

 57.9203, 0.2892,
0.2569

Harmonies

Analogous

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



45.0281, 0.3894, 0.4108



45.0281, 0.3459, 0.4216



45.0281, 0.2956, 0.4020

Triad

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



45.0281, 0.3459, 0.4216



45.0281, 0.2210, 0.2681



45.0281, 0.3743, 0.3006

Complementary

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



45.0281, 0.3459, 0.4216



23.0161, 0.2696, 0.2301

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.



45.0281, 0.3239, 0.2690



45.0281, 0.3459, 0.4216



45.0281, 0.2378, 0.2496

Square

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



45.0281, 0.3459, 0.4216



45.0281, 0.2258, 0.3062



45.0281, 0.2742, 0.2507



45.0281, 0.4080, 0.3397

Rectangle

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



45.0281, 0.3459, 0.4216



45.0281, 0.2650, 0.3736



45.0281, 0.2742, 0.2507



45.0281, 0.3585, 0.2889

Sweetspot

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



45.0301, 0.3459, 0.4216



86.0420, 0.3234, 0.3566



31.2633, 0.3853, 0.3584



18.8731, 0.3247, 0.3601



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.



45.0301, 0.3459, 0.4216



79.2378, 0.3520, 0.4418



41.9205, 0.3174, 0.4305



10.9640, 0.3216, 0.3520



27.6584, 0.3648, 0.5485



1.1170, 0.3783, 0.5378

Inverse Universe

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



23.0161, 0.2696, 0.2301



34.2060, 0.2582, 0.2067



26.3657, 0.3038, 0.2393



9.3690, 0.3032, 0.3056



3.1599, 0.1736, 0.0730



0.1598, 0.2018, 0.0885

Previews

White Background



This preview shows how the Yxy color 45.0281, 0.3459, 0.4216 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 45.0281, 0.3459, 0.4216 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 45.0281, 0.3459, 0.4216

Background



This preview shows how black text looks on a background with the Yxy color 45.0281, 0.3459, 0.4216.



This preview shows how white text looks on a background with the Yxy color 45.0281, 0.3459, 0.4216.

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

45.0281, 0.3459, 0.4216

Protanopia

45.0175, 0.3775, 0.4082

Deuteranopia

44.7526, 0.3937, 0.3855



Tritanopia

44.8767, 0.3000, 0.3106

Trichromacy



Original Color

45.0281, 0.3459, 0.4216

Protanomaly

44.9782, 0.3659, 0.4133

Deuteranomaly

44.6353, 0.3754, 0.3977

Tritanomaly

44.5716, 0.3169, 0.3495

Monochromacy



Original Color

45.0281, 0.3459, 0.4216

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.7199, 0.3253, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0281, 0.3459, 0.4216 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(166, 187, 121)` looks like.

```
.text, #text, p{  
    color:rgb(166, 187, 121)  
}
```

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(166, 187, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 187, 121) }
```

Border

The CSS property to change the border of an element to Yxy 45.0281, 0.3459, 0.4216 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(166, 187, 121) }
```

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

```
.border{ border-color:rgb(166, 187, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 187, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 187, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 187, 121);  
box-shadow:4px 4px 4px 4px rgb(166, 187,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0281, 0.3459, 0.4216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 187, 121) }
```

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

```
.background{ background-color: rgb(166,  
187, 121) }
```

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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