

Converting Colors

$Yxy(45.8144, 0.3481, 0.4299)$

Have a look what the booklet for
Yxy(45.8144, 0.3481, 0.4299)
contains.

Yxy(45.7865, 0.3483, 0.4294)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.7865, 0.3483, 0.4294)

Conversions

Conversions Part 1

Format	Color
Hex	A6BD75
RGB	166, 189, 117
RGB Percent	65%, 74%, 46%
CMY	0.3489, 0.2588, 0.5412
CMYK	0.12, 0.00, 0.38, 0.26
HSL	79°, 35%, 60%
HSV	79°, 38%, 74%
XYZ	37.1389, 45.7865, 23.7036
YIQ	173.9150, 9.4040, -27.2680

Conversions

Conversions Part 2

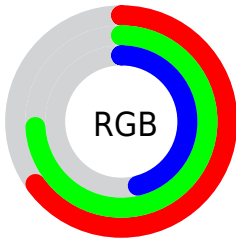
Format	Color
RYB	117, 189, 140
Decimal	10927477
CIELab	73.41, -19.84, 33.84
CIELCh	73, 39.221, 120.380
Yxy	45.7865, 0.3483, 0.4294
Android (android.graphics.Color)	4289117557 (0xFFA6BD75)
YUV	173.9150, -28.0591, -6.9415
Hunter-Lab	67.6657, -20.4438, 26.5964

Details

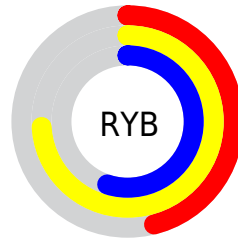
The Yxy color **45.7865, 0.3483, 0.4294** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **21.9628, 0.2653, 0.2212**, and the grayscale version is **42.4277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7367, 0.3428, 0.4099**, and **21.5243, 0.3557, 0.4605** is the 20% darker color. If you saturate the color by 10%, you get **44.7517, 0.3561, 0.4565**, and if you desaturate by 10%, it is **46.9456, 0.3395, 0.4018**.

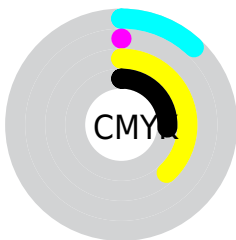
Distribution



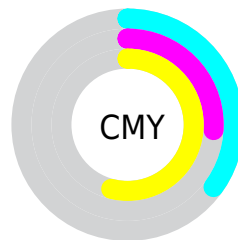
- Red (65%)
- Green (74%)
- Blue (46%)



- Red (46%)
- Yellow (74%)
- Blue (55%)



- Cyan (12%)
- Magenta (0%)
- Yellow (38%)
- Black (26%)




- Cyan (35%)
- Magenta (26%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7865, 0.3483, 0.4294 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 45.7865, 0.3483, 0.4294 by changing the saturation by 10% instead.


 45.7865, 0.3483,
0.4294


 45.7865, 0.3483,
0.4294


369.9496, 0.3320,
0.3776


 32.0774, 0.3517,
0.4426


 83.8994, 0.3428,
0.4103

 21.4206, 0.3556,
0.4597


 109.0719, 0.3406,
0.4032

 13.4318, 0.3600,
0.4823


 138.8344, 0.3387,
0.3972

 7.7266, 0.3640,
0.5135

173.5712, 0.3370,
0.3921

 3.9205, 0.3697,
0.5646

213.6668, 0.3355,
0.3877

 1.6292, 0.3632,
0.6368

259.5054, 0.3342,

 0.3772, 0.0000,

0.3839

1.0000

311.4716, 0.3330,
0.3806

■ 0.0000, 0.0000,
0.0000

■ 45.7865, 0.3483,
0.4294

■ 45.7865, 0.3483,
0.4294

■ 44.7517, 0.3561,
0.4565

■ 46.9456, 0.3395,
0.4018

■ 43.8294, 0.3623,
0.4820

■ 48.2283, 0.3301,
0.3748

■ 43.0150, 0.3664,
0.5048


■ 49.6417, 0.3204,
0.3488


■ 42.3013, 0.3683,
0.5237


■ 51.1904, 0.3109,
0.3245


■ 41.6799, 0.3676,
0.5379

■ 52.8790, 0.3017,
0.3020


 41.1379, 0.3647,
0.5475

 54.7116, 0.2930,
0.2815

 41.0403, 0.3641,
0.5491

 56.6922, 0.2848,
0.2629

 57.9465, 0.2854,
0.2582

 58.8715, 0.2898,
0.2591

Harmonies

Analogous

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



45.7865, 0.3953, 0.4167



45.7865, 0.3483, 0.4294



45.7865, 0.2941, 0.4086

Triad

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



45.7865, 0.3483, 0.4294



45.7865, 0.2144, 0.2634



45.7865, 0.3790, 0.2981

Complementary

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



45.7865, 0.3483, 0.4294



21.9628, 0.2653, 0.2212

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.



45.7865, 0.3243, 0.2646



45.7865, 0.3483, 0.4294



45.7865, 0.2322, 0.2438

Square

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



45.7865, 0.3483, 0.4294



45.7865, 0.2195, 0.3042



45.7865, 0.2708, 0.2451



45.7865, 0.4156, 0.3397

Rectangle

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



45.7865, 0.3483, 0.4294



45.7865, 0.2614, 0.3777



45.7865, 0.2708, 0.2451



45.7865, 0.3618, 0.2857

Sweetspot

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



45.7885, 0.3483, 0.4294



88.1087, 0.3234, 0.3567



30.7962, 0.3930, 0.3609



18.8729, 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.



45.7885, 0.3483, 0.4294



80.3952, 0.3551, 0.4529



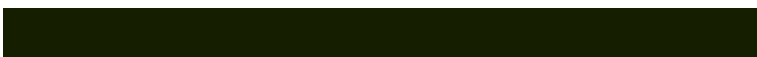
42.4381, 0.3176, 0.4399



10.9639, 0.3216, 0.3520



27.6567, 0.3648, 0.5486



1.1169, 0.3783, 0.5378

Inverse Universe

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



21.9628, 0.2653, 0.2212



31.4704, 0.2517, 0.1936



25.5984, 0.3028, 0.2320



9.3690, 0.3032, 0.3056



3.1606, 0.1736, 0.0730



0.1598, 0.2018, 0.0886

Previews

White Background



This preview shows how the Yxy color 45.7865, 0.3483, 0.4294 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 45.7865, 0.3483, 0.4294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

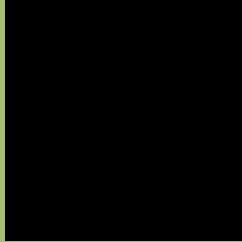
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7865, 0.3483, 0.4294

Background



This preview shows how black text looks on a background with the Yxy color 45.7865, 0.3483, 0.4294.



This preview shows how white text looks on a background with the Yxy color 45.7865, 0.3483, 0.4294.

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

45.7865, 0.3483, 0.4294

Protanopia

45.5705, 0.3830, 0.4149

Deuteranopia

45.4845, 0.3996, 0.3907



Tritanopia

45.7677, 0.2985, 0.3107

Trichromacy



Original Color

45.7865, 0.3483, 0.4294

Protanomaly

45.3962, 0.3703, 0.4205

Deuteranomaly

45.2026, 0.3802, 0.4034

Tritanomaly

45.3908, 0.3167, 0.3521

Monochromacy



Original Color

45.7865, 0.3483, 0.4294

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.1980, 0.3268, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7865, 0.3483, 0.4294 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, 189, 117)` looks like.

```
.text, #text, p{  
    color:rgb(166, 189, 117)  
}
```

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, 189, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 189, 117) }
```

Border

The CSS property to change the border of an element to Yxy 45.7865, 0.3483, 0.4294 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, 189, 117) }
```

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

```
.border{ border-color:rgb(166, 189, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 189, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 189, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 189, 117);  
box-shadow:4px 4px 4px 4px rgb(166, 189,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7865, 0.3483, 0.4294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 189, 117) }
```

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

```
.background{ background-color: rgb(166,  
189, 117) }
```

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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