

Converting Colors

$Yxy(45.3515, 0.2975, 0.4180)$

Have a look what the booklet for
Yxy(45.3515, 0.2975, 0.4180)
contains.

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Color

Yxy(45.4236, 0.2977, 0.4189)

Conversions

Conversions Part 1

Format	Color
Hex	7AC489
RGB	122, 196, 137
RGB Percent	48%, 77%, 54%
CMY	0.5216, 0.2314, 0.4628
CMYK	0.38, 0.00, 0.30, 0.23
HSL	132°, 39%, 62%
HSV	132°, 38%, 77%
XYZ	32.2812, 45.4236, 30.7306
YIQ	167.1480, -25.1650, -34.0370

Conversions

Conversions Part 2

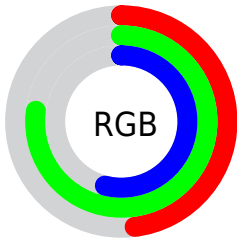
Format	Color
RYB	122, 184, 196
Decimal	8045705
CIELab	73.17, -35.50, 22.55
CIELCh	73, 42.059, 147.575
Yxy	45.4236, 0.2977, 0.4189
Android (android.graphics.Color)	4286235785 (0xFF7AC489)
YUV	167.1480, -14.8630, -39.5948
Hunter-Lab	67.3970, -32.4485, 20.1438

Details

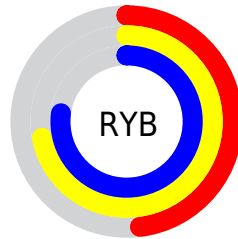
The Yxy color **45.4236, 0.2977, 0.4189** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.9930, 0.3328, 0.2535**, and the grayscale version is **38.8035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3593, 0.3011, 0.4006**, and **21.2993, 0.2913, 0.4480** is the 20% darker color. If you saturate the color by 10%, you get **43.7195, 0.2945, 0.4480**, and if you desaturate by 10%, it is **47.4850, 0.3014, 0.3916**.

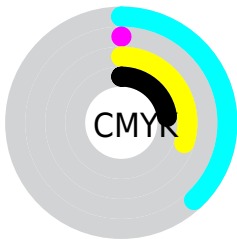
Distribution



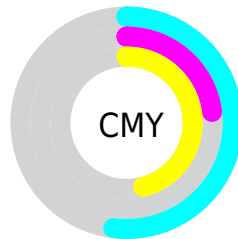
- Red (48%)
- Green (77%)
- Blue (54%)



- Red (48%)
- Yellow (72%)
- Blue (77%)



- Cyan (38%)
- Magenta (0%)
- Yellow (30%)
- Black (23%)




- Cyan (52%)
- Magenta (23%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.4236, 0.2977, 0.4189 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 45.4236, 0.2977, 0.4189 by changing the saturation by 10% instead.


 45.4236, 0.2977,
0.4189


 45.4236, 0.2977,
0.4189


368.4865, 0.3065,
0.3714

 31.7912, 0.2950,
0.4316


 83.3557, 0.3012,
0.4010

 21.2021, 0.2913,
0.4484


 108.4242, 0.3025,
0.3945

 13.2718, 0.2858,
0.4715


 138.0735, 0.3035,
0.3890

 7.6160, 0.2771,
0.5053

172.6881, 0.3043,
0.3844

 3.8502, 0.2615,
0.5587

212.6523, 0.3050,
0.3805

 1.5901, 0.2449,
0.7500

258.3505, 0.3056,

 0.3509, 0.0000,

0.3770

1.0000

310.1671, 0.3061,
0.3740

■ 0.0000, 0.0000,
0.0000

■ 45.4236, 0.2977,
0.4189

■ 45.4236, 0.2977,
0.4189

■ 43.7195, 0.2945,
0.4480

■ 47.4850, 0.3014,
0.3916

■ 42.3468, 0.2921,
0.4780

■ 49.9166, 0.3054,
0.3668

■ 41.2851, 0.2907,
0.5075

■ 52.7377, 0.3096,
0.3445

■ 40.5092, 0.2906,
0.5348


■ 55.9643, 0.3136,
0.3248

■ 39.9900, 0.2918,
0.5583


■ 59.6119, 0.3175,
0.3076

 39.6861, 0.2940,
0.5766

 63.6948, 0.3213,
0.2926

 39.6329, 0.2945,
0.5801

 67.4202, 0.3216,
0.2791

 67.9616, 0.3154,
0.2712

Harmonies

Analogous

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



45.4236, 0.3557, 0.4373



45.4236, 0.2977, 0.4189



45.4236, 0.2466, 0.3672

Triad

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



45.4236, 0.2977, 0.4189



45.4236, 0.2240, 0.2389



45.4236, 0.4210, 0.3356

Complementary

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



45.4236, 0.2977, 0.4189



28.9930, 0.3328, 0.2535

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.



45.4236, 0.3789, 0.2920



45.4236, 0.2977, 0.4189



45.4236, 0.2630, 0.2386

Square

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



45.4236, 0.2977, 0.4189



45.4236, 0.2073, 0.2615



45.4236, 0.3193, 0.2577



45.4236, 0.4299, 0.3812

Rectangle

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



45.4236, 0.2977, 0.4189



45.4236, 0.2229, 0.3263



45.4236, 0.3193, 0.2577



45.4236, 0.4102, 0.3204

Sweetspot

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



45.4255, 0.2977, 0.4189



93.7050, 0.3081, 0.3518



50.7353, 0.3557, 0.4261



19.9042, 0.3076, 0.3548



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.



45.4255, 0.2977, 0.4189



79.7794, 0.2951, 0.4419



46.6678, 0.2740, 0.3614



11.2915, 0.3089, 0.3479



25.4749, 0.2939, 0.5781



1.1108, 0.2822, 0.5361

Inverse Universe

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



28.9930, 0.3328, 0.2535



45.9015, 0.3383, 0.2382



27.6762, 0.3762, 0.2994



10.2114, 0.3168, 0.3108



9.1020, 0.3792, 0.1862



0.4024, 0.3639, 0.1778

Previews

White Background



This preview shows how the Yxy color 45.4236, 0.2977, 0.4189 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 45.4236, 0.2977, 0.4189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

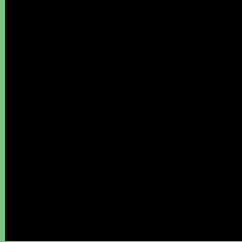
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.4236, 0.2977, 0.4189

Background



This preview shows how black text looks on a background with the Yxy color 45.4236, 0.2977, 0.4189.

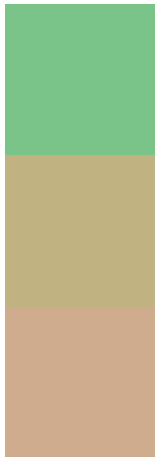


This preview shows how white text looks on a background with the Yxy color 45.4236, 0.2977, 0.4189.

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

45.4236, 0.2977, 0.4189

Protanopia

45.0316, 0.3665, 0.3946

Deuteranopia

44.8679, 0.3731, 0.3667



Tritanopia

45.5125, 0.2635, 0.3082

Trichromacy



Original Color

45.4236, 0.2977, 0.4189

Protanomaly

44.5794, 0.3389, 0.4035

Deuteranomaly

44.2883, 0.3426, 0.3852

Tritanomaly

45.3416, 0.2759, 0.3462

Monochromacy



Original Color

45.4236, 0.2977, 0.4189

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.8204, 0.3069, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.4236, 0.2977, 0.4189 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(122, 196, 137)` looks like.

```
.text, #text, p{  
    color:rgb(122, 196, 137)  
}
```

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(122, 196, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 196, 137) }
```

Border

The CSS property to change the border of an element to Yxy 45.4236, 0.2977, 0.4189 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(122, 196, 137) }
```

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

```
.border{ border-color:rgb(122, 196, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 196, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 196, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 196, 137);  
box-shadow:4px 4px 4px 4px rgb(122, 196,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 45.4236, 0.2977, 0.4189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 196, 137) }
```

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

```
.background{ background-color: rgb(122,  
196, 137) }
```

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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