

Converting Colors

$Yxy(45.0501, 0.2931, 0.4000)$

Have a look what the booklet for
Yxy(45.0501, 0.2931, 0.4000)
contains.

Yxy(45.0501, 0.2931, 0.4000)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.0501, 0.2931, 0.4000)

Conversions

Conversions Part 1

Format	Color
Hex	7DC293
RGB	125, 194, 147
RGB Percent	49%, 76%, 58%
CMY	0.5100, 0.2392, 0.4235
CMYK	0.36, 0.00, 0.24, 0.24
HSL	139°, 36%, 63%
HSV	139°, 36%, 76%
XYZ	33.0105, 45.0501, 34.5647
YIQ	168.0110, -26.0370, -29.2450

Conversions

Conversions Part 2

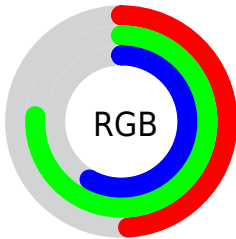
Format	Color
RYB	125, 177, 194
Decimal	8241811
CIELab	72.92, -31.84, 16.89
CIELCh	73, 36.039, 152.061
Yxy	45.0501, 0.2931, 0.4000
Android (android.graphics.Color)	4286431891 (0xFF7DC293)
YUV	168.0110, -10.3584, -37.7206
Hunter-Lab	67.1194, -29.6695, 16.4508

Details

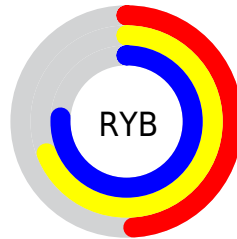
The Yxy color **45.0501, 0.2931, 0.4000** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.1009, 0.3403, 0.2675**, and the grayscale version is **39.2206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9147, 0.2975, 0.3862**, and **20.9784, 0.2860, 0.4237** is the 20% darker color. If you saturate the color by 10%, you get **43.3414, 0.2886, 0.4244**, and if you desaturate by 10%, it is **47.0953, 0.2982, 0.3774**.

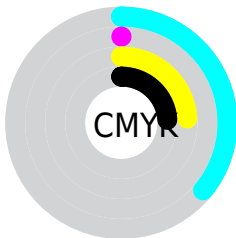
Distribution



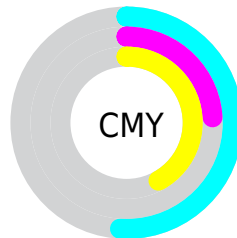
- Red (49%)
- Green (76%)
- Blue (58%)



- Red (49%)
- Yellow (69%)
- Blue (76%)



- Cyan (36%)
- Magenta (0%)
- Yellow (24%)
- Black (24%)





- Cyan (51%)
- Magenta (24%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0501, 0.2931, 0.4000 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 45.0501, 0.2931, 0.4000 by changing the saturation by 10% instead.


 45.0501, 0.2931,
0.4000

 45.0501, 0.2931,
0.4000


366.9764, 0.3038,
0.3627


 31.4969, 0.2901,
0.4099


 82.7956, 0.2972,
0.3860

 20.9775, 0.2862,
0.4230


 107.7567, 0.2987,
0.3809

 13.1076, 0.2805,
0.4411

 137.2891, 0.2999,
0.3766

 7.5027, 0.2720,
0.4675

171.7774, 0.3009,
0.3730

 3.7784, 0.2577,
0.5097

211.6059, 0.3018,
0.3699

 1.5504, 0.2321,
0.6175

257.1589, 0.3025,

 0.3238, 0.0000,

0.3671

1.0000

308.8210, 0.3032,
0.3648

0.0000, 0.0000,
0.0000

45.0501, 0.2931,
0.4000

45.0501, 0.2931,
0.4000

43.3414, 0.2886,
0.4244

47.0953, 0.2982,
0.3774

41.9452, 0.2852,
0.4502

49.4882, 0.3038,
0.3568

40.8434, 0.2830,
0.4764


52.2463, 0.3095,
0.3384


40.0134, 0.2825,
0.5020


55.3844, 0.3152,
0.3221


39.4292, 0.2836,
0.5260

58.9164, 0.3208,
0.3078

 39.0591, 0.2863,
0.5471

 62.8555, 0.3262,
0.2952

 38.9367, 0.2876,
0.5554

 66.1064, 0.3269,
0.2837

 66.9174, 0.3172,
0.2714

 67.0690, 0.3155,
0.2693

Harmonies

Analogous

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



45.0501, 0.3433, 0.4212



45.0501, 0.2931, 0.4000



45.0501, 0.2504, 0.3542

Triad

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



45.0501, 0.2931, 0.4000



45.0501, 0.2394, 0.2493



45.0501, 0.4088, 0.3417

Complementary

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



45.0501, 0.2931, 0.4000



29.1009, 0.3403, 0.2675

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.



45.0501, 0.3764, 0.3025



45.0501, 0.2931, 0.4000



45.0501, 0.2765, 0.2514

Square

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



45.0501, 0.2931, 0.4000



45.0501, 0.2215, 0.2668



45.0501, 0.3266, 0.2705



45.0501, 0.4123, 0.3812

Rectangle

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



45.0501, 0.2931, 0.4000



45.0501, 0.2313, 0.3199



45.0501, 0.3266, 0.2705



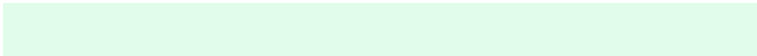
45.0501, 0.4009, 0.3283

Sweetspot

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



45.0520, 0.2931, 0.4000



91.7749, 0.3063, 0.3484



48.8550, 0.3464, 0.4226



19.9490, 0.3055, 0.3510



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.



45.0520, 0.2931, 0.4000



79.0616, 0.2894, 0.4196



46.2955, 0.2709, 0.3472



11.3107, 0.3073, 0.3451



25.6095, 0.2869, 0.5530



1.1193, 0.2738, 0.5056

Inverse Universe

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



29.1009, 0.3403, 0.2675



45.7444, 0.3488, 0.2537



27.9481, 0.3811, 0.3120



10.1910, 0.3185, 0.3135



8.6517, 0.4207, 0.2091



0.3859, 0.3933, 0.1940

Previews

White Background



This preview shows how the Yxy color 45.0501, 0.2931, 0.4000 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 45.0501, 0.2931, 0.4000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

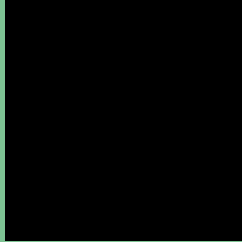
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.0501, 0.2931, 0.4000

Background



This preview shows how black text looks on a background with the Yxy color 45.0501, 0.2931, 0.4000.



This preview shows how white text looks on a background with the Yxy color 45.0501, 0.2931, 0.4000.

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

45.0501, 0.2931, 0.4000

Protanopia

44.6520, 0.3565, 0.3806

Deuteranopia

44.3720, 0.3614, 0.3531



Tritanopia

45.0392, 0.2640, 0.3081

Trichromacy



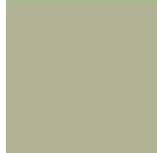
Original Color

45.0501, 0.2931, 0.4000



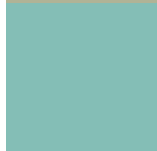
Protanomaly

44.3410, 0.3304, 0.3881



Deuteranomaly

43.6723, 0.3339, 0.3688



Tritanomaly

45.1098, 0.2745, 0.3404

Monochromacy



Original Color

45.0501, 0.2931, 0.4000



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

40.6577, 0.3047, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0501, 0.2931, 0.4000 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(125, 194, 147)` looks like.

```
.text, #text, p{  
    color:rgb(125, 194, 147)  
}
```

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(125, 194, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 194, 147) }
```

Border

The CSS property to change the border of an element to Yxy 45.0501, 0.2931, 0.4000 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(125, 194, 147) }
```

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

```
.border{ border-color:rgb(125, 194, 147) }
```

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

Here you see how a box with a 4 pixel rgb(125, 194, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 194, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 194, 147);  
box-shadow:4px 4px 4px 4px rgb(125, 194,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0501, 0.2931, 0.4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 194, 147) }
```

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

```
.background{ background-color: rgb(125,  
194, 147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor