

Converting Colors

$Yxy(45.1644, 0.2882, 0.3713)$

Have a look what the booklet for
Yxy(45.1644, 0.2882, 0.3713)
contains.

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Color

Yxy(45.3302, 0.2880, 0.3715)

Conversions

Conversions Part 1

Format	Color
Hex	85C0A3
RGB	133, 192, 163
RGB Percent	52%, 75%, 64%
CMY	0.4781, 0.2471, 0.3608
CMYK	0.31, 0.00, 0.15, 0.25
HSL	150°, 32%, 64%
HSV	150°, 31%, 75%
XYZ	35.1416, 45.3302, 41.5476
YIQ	171.0530, -25.8550, -21.5270

Conversions

Conversions Part 2

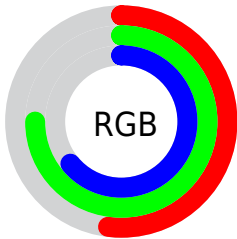
Format	Color
RYB	133, 172, 192
Decimal	8765603
CIELab	73.11, -25.22, 8.57
CIElCh	73, 26.641, 161.231
Yxy	45.3302, 0.2880, 0.3715
Android (android.graphics.Color)	4286955683 (0xFF85C0A3)
YUV	171.0530, -3.9701, -33.3725
Hunter-Lab	67.3277, -24.6557, 10.5418

Details

The Yxy color **45.3302, 0.2880, 0.3715** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.6109, 0.3476, 0.2903**, and the grayscale version is **40.7908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5047, 0.2929, 0.3636**, and **21.0740, 0.2805, 0.3851** is the 20% darker color. If you saturate the color by 10%, you get **43.5825, 0.2812, 0.3882**, and if you desaturate by 10%, it is **47.3927, 0.2956, 0.3562**.

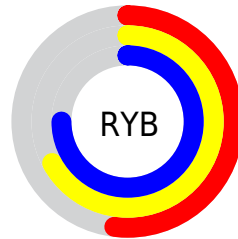
Distribution



Red (52%)

Green (75%)

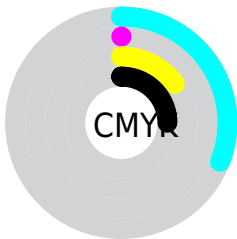
Blue (64%)



Red (52%)

Yellow (67%)

Blue (75%)

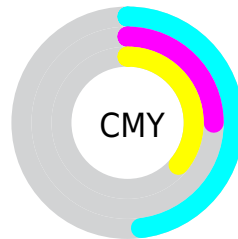


Cyan (31%)

Magenta (0%)

Yellow (15%)

Black (25%)



Cyan (48%)


Magenta (25%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3302, 0.2880, 0.3715 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 45.3302, 0.2880, 0.3715 by changing the saturation by 10% instead.

 45.3302, 0.2880,
0.3715

 45.3302, 0.2880,
0.3715


368.1092, 0.3007,
0.3495

 31.7176, 0.2847,
0.3772


 83.2157, 0.2927,
0.3633

 21.1459, 0.2804,
0.3847


 108.2574, 0.2944,
0.3603

 13.2307, 0.2746,
0.3950


 137.8775, 0.2959,
0.3578

 7.5876, 0.2662,
0.4098

172.4605, 0.2971,
0.3557

 3.8322, 0.2532,
0.4332

212.3908, 0.2982,
0.3538

 1.5802, 0.2297,
0.4753

258.0528, 0.2992,

 0.3442, 0.0000,

0.3522

1.0000

309.8308, 0.3000,
0.3508

0.0000, 0.0000,
0.0000

45.3302, 0.2880,
0.3715

45.3302, 0.2880,
0.3715

43.5825, 0.2812,
0.3882

47.3927, 0.2956,
0.3562

42.1277, 0.2754,
0.4060

49.7791, 0.3038,
0.3423

40.9501, 0.2711,
0.4248


52.5054, 0.3121,
0.3298

40.0302, 0.2685,
0.4440


55.5846, 0.3206,
0.3187


39.3456, 0.2678,
0.4632


59.0292, 0.3289,
0.3089


 38.8700, 0.2692,
0.4819

 62.8508, 0.3370,
0.3003

 38.5682, 0.2718,
0.4985

 64.6195, 0.3350,
0.2915

 65.1621, 0.3277,
0.2825

 65.7338, 0.3207,
0.2736

Harmonies

Analogous

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



45.3302, 0.3249, 0.3934



45.3302, 0.2880, 0.3715



45.3302, 0.2588, 0.3364

Triad

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



45.3302, 0.2880, 0.3715



45.3302, 0.2650, 0.2678



45.3302, 0.3866, 0.3492

Complementary

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



45.3302, 0.2880, 0.3715



30.6109, 0.3476, 0.2903

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.



45.3302, 0.3688, 0.3185



45.3302, 0.2880, 0.3715



45.3302, 0.2970, 0.2732

Square

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



45.3302, 0.2880, 0.3715



45.3302, 0.2463, 0.2773



45.3302, 0.3352, 0.2914



45.3302, 0.3830, 0.3772

Rectangle

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



45.3302, 0.2880, 0.3715



45.3302, 0.2472, 0.3124



45.3302, 0.3352, 0.2914



45.3302, 0.3829, 0.3389

Sweetspot

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



45.3321, 0.2880, 0.3715



90.9287, 0.3050, 0.3403



47.1279, 0.3326, 0.4115



19.3599, 0.3038, 0.3422



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.3321, 0.2880, 0.3715



79.9003, 0.2832, 0.3829



46.4931, 0.2691, 0.3289



11.3423, 0.3049, 0.3406



25.9708, 0.2712, 0.4963



1.1360, 0.2599, 0.4557

Inverse Universe

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



30.6109, 0.3476, 0.2903



48.8761, 0.3585, 0.2813



29.6955, 0.3810, 0.3292



10.1587, 0.3214, 0.3177



8.1059, 0.4971, 0.2512



0.3642, 0.4475, 0.2239

Previews

White Background



This preview shows how the Yxy color 45.3302, 0.2880, 0.3715 looks on a white background.

Color Contrast Check

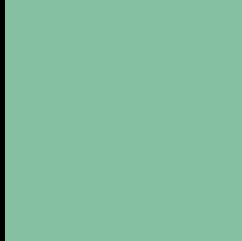
Large Text (above 18pt) WCAG AA × Fail

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 45.3302, 0.2880, 0.3715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

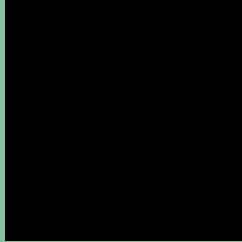
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3302, 0.2880, 0.3715

Background



This preview shows how black text looks on a background with the Yxy color 45.3302, 0.2880, 0.3715.



This preview shows how white text looks on a background with the Yxy color 45.3302, 0.2880, 0.3715.

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

45.3302, 0.2880, 0.3715

Protanopia

44.8059, 0.3391, 0.3582

Deuteranopia

44.9565, 0.3426, 0.3367



Tritanopia

45.4676, 0.2673, 0.3083

Trichromacy



Original Color

45.3302, 0.2880, 0.3715

Protanomaly

44.5857, 0.3180, 0.3623

Deuteranomaly

44.6258, 0.3205, 0.3479

Tritanomaly

45.4293, 0.2745, 0.3303

Monochromacy



Original Color

45.3302, 0.2880, 0.3715

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.2355, 0.3026, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3302, 0.2880, 0.3715 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(133, 192, 163)` looks like.

```
.text, #text, p{  
    color:rgb(133, 192, 163)  
}
```

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(133, 192, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 192, 163) }
```

Border

The CSS property to change the border of an element to Yxy 45.3302, 0.2880, 0.3715 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(133, 192, 163) }
```

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

```
.border{ border-color:rgb(133, 192, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 192, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 192, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 192, 163);  
box-shadow:4px 4px 4px 4px rgb(133, 192,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3302, 0.2880, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 192, 163) }
```

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

```
.background{ background-color: rgb(133,  
192, 163) }
```

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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