

Converting Colors

$Y_{xy}(45.4840, 0.3250, 0.4321)$

Have a look what the booklet for
Yxy(45.4840, 0.3250, 0.4321)
contains.

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Color

Yxy(45.5897, 0.3249, 0.4316)

Conversions

Conversions Part 1

Format	Color
Hex	91C17B
RGB	145, 193, 123
RGB Percent	57%, 76%, 48%
CMY	0.4314, 0.2431, 0.5177
CMYK	0.25, 0.00, 0.36, 0.24
HSL	101°, 36%, 62%
HSV	101°, 36%, 76%
XYZ	34.3190, 45.5897, 25.7208
YIQ	170.6680, -6.1380, -31.9460

Conversions

Conversions Part 2

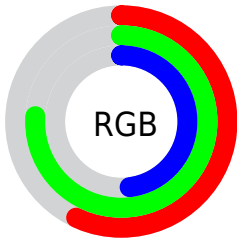
Format	Color
RYB	123, 193, 171
Decimal	9552251
CIELab	73.28, -28.78, 30.29
CIELCh	73, 41.784, 133.530
Yxy	45.5897, 0.3249, 0.4316
Android (android.graphics.Color)	4287742331 (0xFF91C17B)
YUV	170.6680, -23.5003, -22.5108
Hunter-Lab	67.5201, -27.4326, 24.6785

Details

The Yxy color **45.5897, 0.3249, 0.4316** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **26.6677, 0.2938, 0.2339**, and the grayscale version is **40.6703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7852, 0.3237, 0.4119**, and **21.2734, 0.3261, 0.4640** is the 20% darker color. If you saturate the color by 10%, you get **44.0221, 0.3269, 0.4638**, and if you desaturate by 10%, it is **47.3965, 0.3221, 0.4005**.

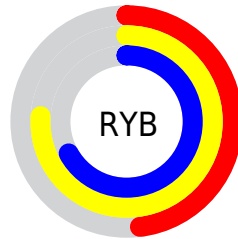
Distribution



Red (57%)

Green (76%)

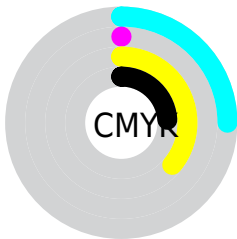
Blue (48%)



Red (48%)

Yellow (76%)

Blue (67%)

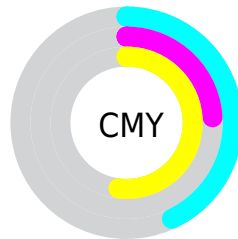


Cyan (25%)

Magenta (0%)

Yellow (36%)

Black (24%)



Cyan (43%)

Magenta (24%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5897, 0.3249, 0.4316 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 45.5897, 0.3249, 0.4316 by changing the saturation by 10% instead.


 45.5897, 0.3249,
0.4316


 45.5897, 0.3249,
0.4316


369.1566, 0.3204,
0.3778

 31.9222, 0.3254,
0.4457


 83.6046, 0.3237,
0.4115

 21.3021, 0.3256,
0.4642


 108.7208, 0.3231,
0.4041

 13.3450, 0.3250,
0.4894


 138.4220, 0.3226,
0.3979

 7.6665, 0.3225,
0.5252

173.0925, 0.3221,
0.3927

 3.8823, 0.3159,
0.5812

213.1169, 0.3216,
0.3881

 1.6080, 0.3017,
0.6983

258.8794, 0.3212,

 0.3630, 0.0000,

0.3842

1.0000

310.7645, 0.3208,
0.3808

0.0000, 0.0000,
0.0000

45.5897, 0.3249,
0.4316

45.5897, 0.3249,
0.4316

44.0221, 0.3269,
0.4638

47.3965, 0.3221,
0.4005

42.6776, 0.3278,
0.4956

49.4465, 0.3187,
0.3713

41.5466, 0.3273,
0.5252


51.7506, 0.3151,
0.3445

40.6170, 0.3252,
0.5509


54.3176, 0.3113,
0.3203

39.8747, 0.3217,
0.5707

57.1558, 0.3076,
0.2988

 39.3031, 0.3169,
0.5840

 60.2729, 0.3040,
0.2798

 39.1252, 0.3152,
0.5879

 63.4764, 0.3026,
0.2658

 65.8473, 0.3125,
0.2677

 66.6237, 0.3156,
0.2683

Harmonies

Analogous

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



45.5897, 0.3802, 0.4321



45.5897, 0.3249, 0.4316



45.5897, 0.2691, 0.3937

Triad

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



45.5897, 0.3249, 0.4316



45.5897, 0.2139, 0.2472



45.5897, 0.4041, 0.3146

Complementary

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



45.5897, 0.3249, 0.4316



26.6677, 0.2938, 0.2339

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.



45.5897, 0.3515, 0.2748



45.5897, 0.3249, 0.4316



45.5897, 0.2426, 0.2368

Square

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



45.5897, 0.3249, 0.4316



45.5897, 0.2085, 0.2806



45.5897, 0.2916, 0.2471



45.5897, 0.4294, 0.3599

Rectangle

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



45.5897, 0.3249, 0.4316



45.5897, 0.2391, 0.3549



45.5897, 0.2916, 0.2471



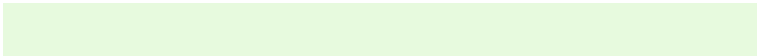
45.5897, 0.3887, 0.3004

Sweetspot

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



45.5917, 0.3249, 0.4316



90.6025, 0.3169, 0.3572



41.8300, 0.3761, 0.3923



19.3172, 0.3174, 0.3609



97.7402, 0.3127, 0.3290



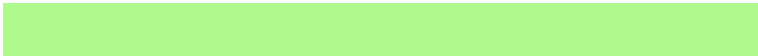
20.4902, 0.3127, 0.3290

Same Dimension

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



45.5917, 0.3249, 0.4316



79.2576, 0.3266, 0.4586



44.1250, 0.2991, 0.4168



11.4090, 0.3162, 0.3525



26.0583, 0.3160, 0.5873



1.1633, 0.3341, 0.5729

Inverse Universe

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



26.6677, 0.2938, 0.2339



40.1342, 0.2879, 0.2111



28.8004, 0.3304, 0.2549



10.0836, 0.3089, 0.3060



5.8859, 0.2436, 0.1116



0.2896, 0.2614, 0.1214

Previews

White Background



This preview shows how the Yxy color 45.5897, 0.3249, 0.4316 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 45.5897, 0.3249, 0.4316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

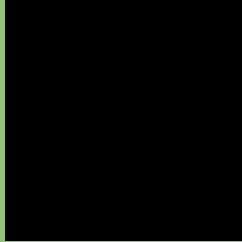
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.5897, 0.3249, 0.4316

Background



This preview shows how black text looks on a background with the Yxy color 45.5897, 0.3249, 0.4316.



This preview shows how white text looks on a background with the Yxy color 45.5897, 0.3249, 0.4316.

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

45.5897, 0.3249, 0.4316

Protanopia

45.1267, 0.3793, 0.4091

Deuteranopia

45.2097, 0.3905, 0.3831



Tritanopia

45.5263, 0.2809, 0.3101

Trichromacy



Original Color

45.5897, 0.3249, 0.4316

Protanomaly

44.9600, 0.3586, 0.4176

Deuteranomaly

44.8402, 0.3648, 0.4007

Tritanomaly

45.2532, 0.2971, 0.3515

Monochromacy



Original Color

45.5897, 0.3249, 0.4316

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

42.2547, 0.3180, 0.3646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5897, 0.3249, 0.4316 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(145, 193, 123)` looks like.

```
.text, #text, p{  
    color:rgb(145, 193, 123)  
}
```

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(145, 193, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 193, 123) }
```

Border

The CSS property to change the border of an element to Yxy 45.5897, 0.3249, 0.4316 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(145, 193, 123) }
```

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

```
.border{ border-color:rgb(145, 193, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 193, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 193, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 193, 123);  
box-shadow:4px 4px 4px 4px rgb(145, 193,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5897, 0.3249, 0.4316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 193, 123) }
```

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

```
.background{ background-color: rgb(145,  
193, 123) }
```

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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