

Converting Colors

$Yxy(45.8339, 0.3246, 0.4187)$

Have a look what the booklet for
Yxy(45.8339, 0.3246, 0.4187)
contains.

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Color

Yxy(45.7950, 0.3243, 0.4188)

Conversions

Conversions Part 1

Format	Color
Hex	96C082
RGB	150, 192, 130
RGB Percent	59%, 75%, 51%
CMY	0.4116, 0.2471, 0.4902
CMYK	0.22, 0.00, 0.32, 0.25
HSL	101°, 33%, 63%
HSV	101°, 32%, 75%
XYZ	35.4616, 45.7950, 28.0915
YIQ	172.3740, -5.1300, -28.1860

Conversions

Conversions Part 2

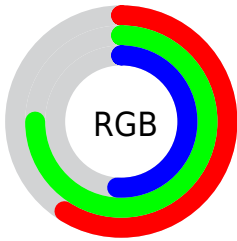
Format	Color
RYB	130, 192, 172
Decimal	9879682
CIELab	73.41, -25.45, 26.84
CIELCh	73, 36.984, 133.476
Yxy	45.7950, 0.3243, 0.4188
Android (android.graphics.Color)	4288069762 (0xFF96C082)
YUV	172.3740, -20.8904, -19.6220
Hunter-Lab	67.6720, -24.8881, 22.7583

Details

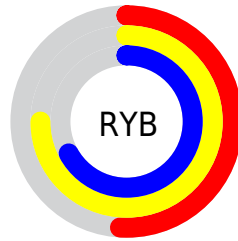
The Yxy color **45.7950, 0.3243, 0.4188** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.5402, 0.2959, 0.2448**, and the grayscale version is **41.5686, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1494, 0.3231, 0.4022**, and **21.3528, 0.3257, 0.4466** is the 20% darker color. If you saturate the color by 10%, you get **44.1628, 0.3268, 0.4506**, and if you desaturate by 10%, it is **47.6641, 0.3211, 0.3884**.

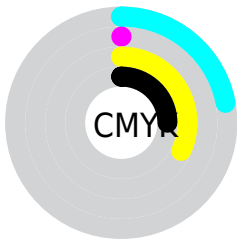
Distribution



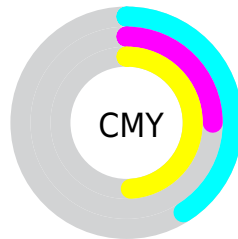
- Red (59%)
- Green (75%)
- Blue (51%)



- Red (51%)
- Yellow (75%)
- Blue (67%)



- Cyan (22%)
- Magenta (0%)
- Yellow (32%)
- Black (25%)



- Cyan (41%)
- Magenta (25%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7950, 0.3243, 0.4188 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 45.7950, 0.3243, 0.4188 by changing the saturation by 10% instead.

 45.7950, 0.3243,
0.4188

 45.7950, 0.3243,
0.4188


369.9839, 0.3197,
0.3719

 32.0841, 0.3250,
0.4311


 83.9121, 0.3230,
0.4013

 21.4257, 0.3255,
0.4472


 109.0871, 0.3224,
0.3949

 13.4356, 0.3257,
0.4690


 138.8522, 0.3218,
0.3895

 7.7291, 0.3246,
0.5003

173.5919, 0.3213,
0.3849

 3.9221, 0.3200,
0.5479

213.6905, 0.3208,
0.3810

 1.6301, 0.3265,
0.6735

259.5324, 0.3204,

 0.3778, 0.0000,

0.3775

1.0000

311.5021, 0.3201,
0.3745

0.0000, 0.0000,
0.0000

45.7950, 0.3243,
0.4188

45.7950, 0.3243,
0.4188

44.1628, 0.3268,
0.4506

47.6641, 0.3211,
0.3884

42.7518, 0.3283,
0.4826

49.7735, 0.3175,
0.3602

41.5534, 0.3284,
0.5132


52.1336, 0.3136,
0.3345


40.5560, 0.3271,
0.5406

54.7528, 0.3097,
0.3114


39.7470, 0.3241,
0.5629


57.6389, 0.3059,
0.2909


 39.1115, 0.3198,
0.5788

 60.7993, 0.3022,
0.2728

 38.7228, 0.3160,
0.5873

 63.6206, 0.3051,
0.2653

 65.9902, 0.3149,
0.2672

 66.1777, 0.3156,
0.2673

Harmonies

Analogous

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



45.7950, 0.3733, 0.4204



45.7950, 0.3243, 0.4188



45.7950, 0.2745, 0.3858

Triad

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



45.7950, 0.3243, 0.4188



45.7950, 0.2242, 0.2563



45.7950, 0.3933, 0.3166

Complementary

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



45.7950, 0.3243, 0.4188



28.5402, 0.2959, 0.2448

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.



45.7950, 0.3472, 0.2805



45.7950, 0.3243, 0.4188



45.7950, 0.2503, 0.2464

Square

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



45.7950, 0.3243, 0.4188



45.7950, 0.2195, 0.2868



45.7950, 0.2942, 0.2555



45.7950, 0.4159, 0.3575

Rectangle

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



45.7950, 0.3243, 0.4188



45.7950, 0.2474, 0.3521



45.7950, 0.2942, 0.2555



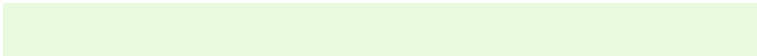
45.7950, 0.3798, 0.3037

Sweetspot

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



45.7970, 0.3243, 0.4188



91.0613, 0.3166, 0.3545



42.0699, 0.3686, 0.3839



19.4107, 0.3172, 0.3583



97.7402, 0.3127, 0.3290



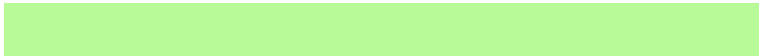
20.4902, 0.3127, 0.3290

Same Dimension

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



45.7970, 0.3243, 0.4188



80.7717, 0.3262, 0.4420



44.3476, 0.3012, 0.4071



11.4133, 0.3163, 0.3525



26.0950, 0.3169, 0.5866



1.1652, 0.3350, 0.5722

Inverse Universe

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



28.5402, 0.2959, 0.2448



44.4642, 0.2909, 0.2246



30.5370, 0.3269, 0.2618



10.0792, 0.3087, 0.3059



5.7961, 0.2416, 0.1104



0.2863, 0.2598, 0.1205

Previews

White Background



This preview shows how the Yxy color 45.7950, 0.3243, 0.4188 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 45.7950, 0.3243, 0.4188 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 45.7950, 0.3243, 0.4188

Background



This preview shows how black text looks on a background with the Yxy color 45.7950, 0.3243, 0.4188.



This preview shows how white text looks on a background with the Yxy color 45.7950, 0.3243, 0.4188.

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

45.7950, 0.3243, 0.4188

Protanopia

45.5925, 0.3713, 0.4005

Deuteranopia

45.2233, 0.3842, 0.3760



Tritanopia

45.5213, 0.2838, 0.3089

Trichromacy



Original Color

45.7950, 0.3243, 0.4188

Protanomaly

45.2783, 0.3532, 0.4066

Deuteranomaly

44.7525, 0.3603, 0.3900

Tritanomaly

45.3030, 0.2988, 0.3471

Monochromacy



Original Color

45.7950, 0.3243, 0.4188

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.5670, 0.3173, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7950, 0.3243, 0.4188 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(150, 192, 130)` looks like.

```
.text, #text, p{  
    color:rgb(150, 192, 130)  
}
```

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(150, 192, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 192, 130) }
```

Border

The CSS property to change the border of an element to Yxy 45.7950, 0.3243, 0.4188 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(150, 192, 130) }
```

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

```
.border{ border-color:rgb(150, 192, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 192, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 192, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 192, 130);  
box-shadow:4px 4px 4px 4px rgb(150, 192,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7950, 0.3243, 0.4188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 192, 130) }
```

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

```
.background{ background-color: rgb(150,  
192, 130) }
```

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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