

Converting Colors

Yxy(49.7068, 0.3155, 0.4379)

Have a look what the booklet for
Yxy(49.7068, 0.3155, 0.4379)
contains.

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Color

Yxy(49.7594, 0.3155, 0.4373)

Conversions

Conversions Part 1

Format	Color
Hex	8BCB80
RGB	139, 203, 128
RGB Percent	55%, 80%, 50%
CMY	0.4549, 0.2039, 0.4981
CMYK	0.32, 0.00, 0.37, 0.20
HSL	111°, 42%, 65%
HSV	111°, 37%, 80%
XYZ	35.9000, 49.7594, 28.1283
YIQ	175.3140, -14.0690, -36.8930

Conversions

Conversions Part 2

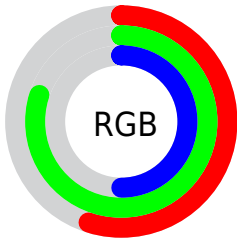
Format	Color
RYB	128, 203, 192
Decimal	9161600
CIELab	75.92, -34.78, 31.11
CIElCh	76, 46.665, 138.193
Yxy	49.7594, 0.3155, 0.4373
Android (android.graphics.Color)	4287351680 (0xFF8BCB80)
YUV	175.3140, -23.3258, -31.8474
Hunter-Lab	70.5403, -32.6017, 25.7360

Details

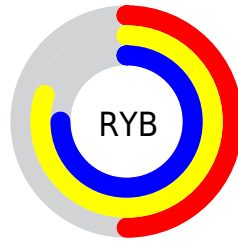
The Yxy color **49.7594, 0.3155, 0.4373** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.9497, 0.3058, 0.2353**, and the grayscale version is **43.1710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3255, 0.3166, 0.4119**, and **23.7083, 0.3132, 0.4698** is the 20% darker color. If you saturate the color by 10%, you get **47.9048, 0.3153, 0.4715**, and if you desaturate by 10%, it is **51.9613, 0.3152, 0.4044**.

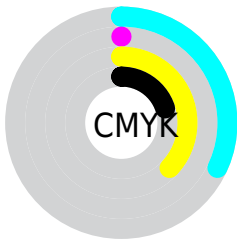
Distribution



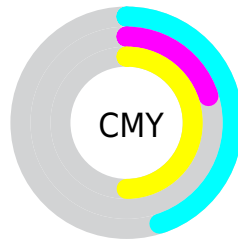
- Red (55%)
- Green (80%)
- Blue (50%)



- Red (50%)
- Yellow (80%)
- Blue (75%)



- Cyan (32%)
- Magenta (0%)
- Yellow (37%)
- Black (20%)




- Cyan (45%)
- Magenta (20%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7594, 0.3155, 0.4373 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 49.7594, 0.3155, 0.4373 by changing the saturation by 10% instead.


 49.7594, 0.3155,
0.4373


 49.7594, 0.3155,
0.4373


385.7243, 0.3160,
0.3809


 35.2223, 0.3147,
0.4520


 89.8183, 0.3161,
0.4163

 23.8341, 0.3133,
0.4711


 116.1088, 0.3162,
0.4086

 15.2106, 0.3106,
0.4969


 147.0860, 0.3163,
0.4021

 8.9673, 0.3054,
0.5333

183.1341, 0.3162,
0.3966

 4.7199, 0.2941,
0.5877

224.6376, 0.3162,
0.3918

 2.0839, 0.2839,
0.7161

271.9809, 0.3161,

 0.6555, 0.0000,

0.3877

1.0000

325.5483, 0.3160,
0.3841

0.0000, 0.0000,
0.0000

49.7594, 0.3155,
0.4373

49.7594, 0.3155,
0.4373

47.9048, 0.3153,
0.4715

51.9613, 0.3152,
0.4044

46.3736, 0.3144,
0.5054

54.5204, 0.3145,
0.3739

45.1489, 0.3128,
0.5368

57.4539, 0.3135,
0.3463


44.2096, 0.3105,
0.5632


60.7763, 0.3124,
0.3219


43.5317, 0.3077,
0.5826

64.5010, 0.3111,
0.3004

 43.0863, 0.3046,
0.5943

 68.6409, 0.3099,
0.2817

 42.9871, 0.3039,
0.5969

 71.1935, 0.3151,
0.2782

Harmonies

Analogous

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



49.7594, 0.3765, 0.4432



49.7594, 0.3155, 0.4373



49.7594, 0.2569, 0.3903

Triad

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



49.7594, 0.3155, 0.4373



49.7594, 0.2098, 0.2375



49.7594, 0.4185, 0.3203

Complementary

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



49.7594, 0.3155, 0.4373



30.9497, 0.3058, 0.2353

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.



49.7594, 0.3646, 0.2765



49.7594, 0.3155, 0.4373



49.7594, 0.2440, 0.2304

Square

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



49.7594, 0.3155, 0.4373



49.7594, 0.2000, 0.2689



49.7594, 0.2993, 0.2446



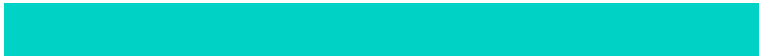
49.7594, 0.4400, 0.3690

Rectangle

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



49.7594, 0.3155, 0.4373



49.7594, 0.2270, 0.3464



49.7594, 0.2993, 0.2446



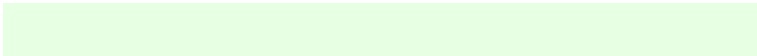
49.7594, 0.4033, 0.3048

Sweetspot

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



49.7615, 0.3155, 0.4373



94.0643, 0.3139, 0.3575



51.8449, 0.3723, 0.4079



19.9890, 0.3141, 0.3613



0.0000, 0.0000, 0.0000



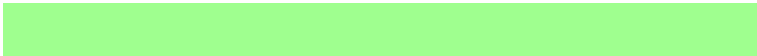
21.4041, 0.3127, 0.3290

Same Dimension

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



49.7615, 0.3155, 0.4373



80.8979, 0.3154, 0.4634



49.6426, 0.2910, 0.4000



12.6148, 0.3138, 0.3528



27.3803, 0.3045, 0.5965



1.4385, 0.3153, 0.5879

Inverse Universe

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



30.9497, 0.3058, 0.2353



45.0702, 0.3037, 0.2164



31.2955, 0.3443, 0.2676



11.3170, 0.3115, 0.3060



8.4407, 0.2843, 0.1340



0.4588, 0.2919, 0.1382

Previews

White Background



This preview shows how the Yxy color 49.7594, 0.3155, 0.4373 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 49.7594, 0.3155, 0.4373 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 49.7594, 0.3155, 0.4373

Background



This preview shows how black text looks on a background with the Yxy color 49.7594, 0.3155, 0.4373.



This preview shows how white text looks on a background with the Yxy color 49.7594, 0.3155, 0.4373.

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

49.7594, 0.3155, 0.4373

Protanopia

49.1948, 0.3803, 0.4099

Deuteranopia

48.9064, 0.3908, 0.3825



Tritanopia

49.5157, 0.2719, 0.3079

Trichromacy



Original Color

49.7594, 0.3155, 0.4373

Protanomaly

48.8578, 0.3546, 0.4194

Deuteranomaly

48.2557, 0.3609, 0.4018

Tritanomaly

49.5237, 0.2876, 0.3524

Monochromacy



Original Color

49.7594, 0.3155, 0.4373

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.8479, 0.3143, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7594, 0.3155, 0.4373 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(139, 203, 128)` looks like.

```
.text, #text, p{  
    color:rgb(139, 203, 128)  
}
```

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(139, 203, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 203, 128) }
```

Border

The CSS property to change the border of an element to Yxy 49.7594, 0.3155, 0.4373 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(139, 203, 128) }
```

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

```
.border{ border-color:rgb(139, 203, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 203, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 203, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 203, 128);  
box-shadow:4px 4px 4px 4px rgb(139, 203,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7594, 0.3155, 0.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 203, 128) }
```

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

```
.background{ background-color: rgb(139,  
203, 128) }
```

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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