

Converting Colors

$Yxy(48.8006, 0.3155, 0.3979)$

Have a look what the booklet for
Yxy(48.8006, 0.3155, 0.3979)
contains.

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Color

Yxy(48.5550, 0.3157, 0.3979)

Conversions

Conversions Part 1

Format	Color
Hex	9BC493
RGB	155, 196, 147
RGB Percent	61%, 77%, 58%
CMY	0.3922, 0.2314, 0.4235
CMYK	0.21, 0.00, 0.25, 0.23
HSL	110°, 29%, 67%
HSV	110°, 25%, 77%
XYZ	38.5243, 48.5550, 34.9489
YIQ	178.1550, -8.7070, -23.9310

Conversions

Conversions Part 2

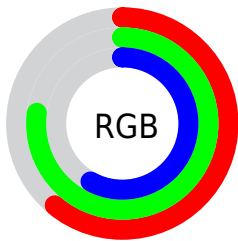
Format	Color
RYB	147, 196, 188
Decimal	10208403
CIELab	75.17, -22.96, 20.26
CIElCh	75, 30.621, 138.578
Yxy	48.5550, 0.3157, 0.3979
Android (android.graphics.Color)	4288398483 (0xFF9BC493)
YUV	178.1550, -15.3594, -20.3069
Hunter-Lab	69.6814, -23.2564, 19.0400

Details

The Yxy color $48.5550, 0.3157, 0.3979$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $35.5496, 0.3079, 0.2661$, and the grayscale version is $44.6947, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.1692, 0.3156, 0.3852$, and $23.0741, 0.3156, 0.4191$ is the 20% darker color. If you saturate the color by 10%, you get $46.4789, 0.3163, 0.4302$, and if you desaturate by 10%, it is $50.9606, 0.3147, 0.3681$.

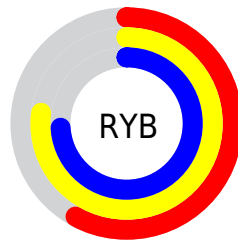
Distribution



Red (61%)

Green (77%)

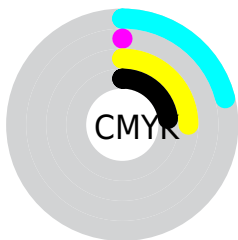
Blue (58%)



Red (58%)

Yellow (77%)

Blue (74%)

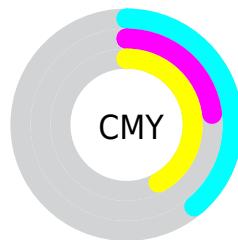


Cyan (21%)

Magenta (0%)

Yellow (25%)

Black (23%)



Cyan (39%)


Magenta (23%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5550, 0.3157, 0.3979 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 48.5550, 0.3157, 0.3979 by changing the saturation by 10% instead.


 48.5550, 0.3157,
0.3979

 48.5550, 0.3157,
0.3979


380.9878, 0.3149,
0.3624

 34.2666, 0.3156,
0.4071


 88.0302, 0.3156,
0.3848

 23.0985, 0.3154,
0.4191


 113.9857, 0.3155,
0.3799

 14.6662, 0.3148,
0.4353


144.5992, 0.3154,
0.3758

 8.5855, 0.3133,
0.4584

180.2548, 0.3153,
0.3723

 4.4718, 0.3098,
0.4939

221.3371, 0.3152,
0.3693

 1.9408, 0.3088,
0.5700

268.2305, 0.3151,

 0.5728, 0.0000,

0.3667

1.0000

321.3192, 0.3150,
0.3644

0.0000, 0.0000,
0.0000

48.5550, 0.3157,
0.3979

48.5550, 0.3157,
0.3979

46.4789, 0.3163,
0.4302

50.9606, 0.3147,
0.3681

44.7118, 0.3164,
0.4640

53.7028, 0.3134,
0.3413

43.2408, 0.3158,
0.4979


56.7961, 0.3120,
0.3175

42.0493, 0.3144,
0.5297


60.2524, 0.3105,
0.2966

41.1191, 0.3123,
0.5572


64.0831, 0.3090,
0.2783

 40.4298, 0.3094,
0.5783

 67.6642, 0.3143,
0.2710

 39.9577, 0.3061,
0.5916

 67.9617, 0.3154,
0.2712

 39.7881, 0.3047,
0.5962

Harmonies

Analogous

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



48.5550, 0.3566, 0.4046



48.5550, 0.3157, 0.3979



48.5550, 0.2757, 0.3681

Triad

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



48.5550, 0.3157, 0.3979



48.5550, 0.2421, 0.2669



48.5550, 0.3827, 0.3252

Complementary

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



48.5550, 0.3157, 0.3979



35.5496, 0.3079, 0.2661

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.



48.5550, 0.3481, 0.2937



48.5550, 0.3157, 0.3979



48.5550, 0.2669, 0.2609

Square

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



48.5550, 0.3157, 0.3979



48.5550, 0.2351, 0.2899



48.5550, 0.3051, 0.2708



48.5550, 0.3971, 0.3593

Rectangle

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



48.5550, 0.3157, 0.3979



48.5550, 0.2547, 0.3409



48.5550, 0.3051, 0.2708



48.5550, 0.3729, 0.3141

Sweetspot

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



48.5571, 0.3157, 0.3979



96.1791, 0.3137, 0.3467



49.7406, 0.3523, 0.3811



20.5190, 0.3138, 0.3483



0.0000, 0.0000, 0.0000



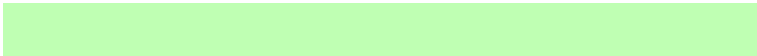
21.4041, 0.3127, 0.3290

Same Dimension

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



48.5571, 0.3157, 0.3979



85.8275, 0.3161, 0.4153



48.3423, 0.2981, 0.3751



11.3360, 0.3140, 0.3526



25.5898, 0.3053, 0.5958



1.1309, 0.3186, 0.5852

Inverse Universe

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



35.5496, 0.3079, 0.2661



58.2305, 0.3065, 0.2518



35.8889, 0.3311, 0.2870



10.1617, 0.3112, 0.3061



7.6666, 0.2804, 0.1318



0.3539, 0.2900, 0.1371

Previews

White Background



This preview shows how the Yxy color 48.5550, 0.3157, 0.3979 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 48.5550, 0.3157, 0.3979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

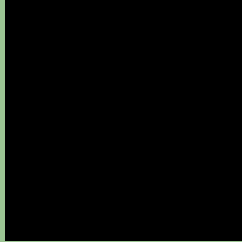
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5550, 0.3157, 0.3979

Background



This preview shows how black text looks on a background with the Yxy color 48.5550, 0.3157, 0.3979.

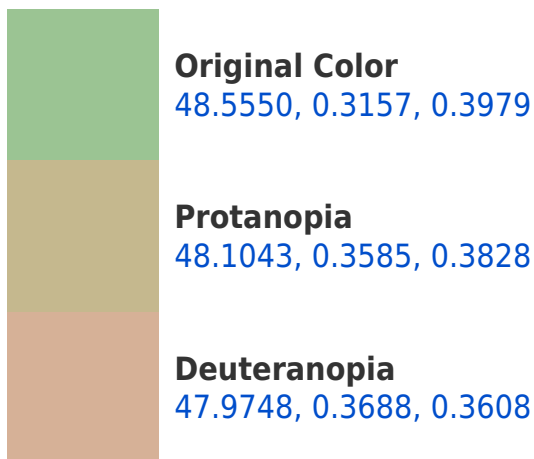


This preview shows how white text looks on a background with the Yxy color 48.5550, 0.3157, 0.3979.

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





Tritanopia

48.6473, 0.2824, 0.3094

Trichromacy



Original Color

48.5550, 0.3157, 0.3979

Protanomaly

47.9251, 0.3422, 0.3876

Deuteranomaly

47.8204, 0.3482, 0.3730

Tritanomaly

48.6952, 0.2948, 0.3411

Monochromacy



Original Color

48.5550, 0.3157, 0.3979

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

46.0340, 0.3141, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5550, 0.3157, 0.3979 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(155, 196, 147)` looks like.

```
.text, #text, p{  
    color:rgb(155, 196, 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(155, 196, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 196, 147) }
```

Border

The CSS property to change the border of an element to Yxy 48.5550, 0.3157, 0.3979 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(155, 196, 147) }
```

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

```
.border{ border-color:rgb(155, 196, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 196, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 196, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 196, 147);  
box-shadow:4px 4px 4px 4px rgb(155, 196,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5550, 0.3157, 0.3979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 196, 147) }
```

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

```
.background{ background-color: rgb(155,  
196, 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](#).

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