

Converting Colors

$Yxy(48.7469, 0.3104, 0.4023)$

Have a look what the booklet for
Yxy(48.7469, 0.3104, 0.4023)
contains.

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Color

Yxy(48.7594, 0.3108, 0.4030)

Conversions

Conversions Part 1

Format	Color
Hex	94C692
RGB	148, 198, 146
RGB Percent	58%, 78%, 57%
CMY	0.4194, 0.2236, 0.4274
CMYK	0.25, 0.00, 0.26, 0.22
HSL	118°, 31%, 67%
HSV	118°, 26%, 78%
XYZ	37.6040, 48.7594, 34.6276
YIQ	177.1220, -13.1080, -26.7720

Conversions

Conversions Part 2

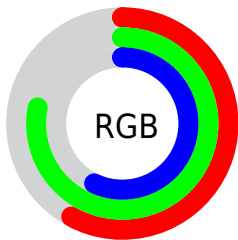
Format	Color
RYB	146, 198, 196
Decimal	9750162
CIELab	75.30, -26.48, 20.90
CIELCh	75, 33.736, 141.719
Yxy	48.7594, 0.3108, 0.4030
Android (android.graphics.Color)	4287940242 (0xFF94C692)
YUV	177.1220, -15.3431, -25.5400
Hunter-Lab	69.8279, -26.0723, 19.4777

Details

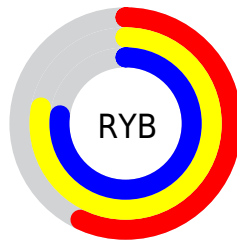
The Yxy color **48.7594, 0.3108, 0.4030** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.3658, 0.3138, 0.2640**, and the grayscale version is **44.1287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.3866, 0.3117, 0.3891**, and **23.2595, 0.3091, 0.4264** is the 20% darker color. If you saturate the color by 10%, you get **46.5665, 0.3097, 0.4366**, and if you desaturate by 10%, it is **51.3545, 0.3117, 0.3721**.

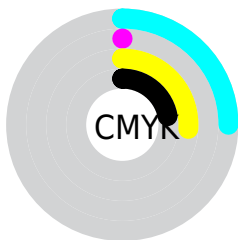
Distribution



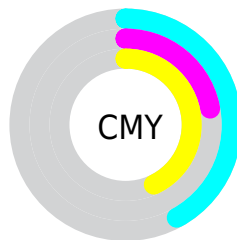
- Red (58%)
- Green (78%)
- Blue (57%)



- Red (57%)
- Yellow (78%)
- Blue (77%)



- Cyan (25%)
- Magenta (0%)
- Yellow (26%)
- Black (22%)



- Cyan (42%)
- Magenta (22%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7594, 0.3108, 0.4030 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 48.7594, 0.3108, 0.4030 by changing the saturation by 10% instead.


 48.7594, 0.3108,
0.4030


 48.7594, 0.3108,
0.4030


381.7944, 0.3126,
0.3647

 34.4287, 0.3101,
0.4129


 88.3340, 0.3117,
0.3888

 23.2231, 0.3089,
0.4259


 114.3467, 0.3119,
0.3836

 14.7583, 0.3071,
0.4435


145.0221, 0.3121,
0.3792

 8.6500, 0.3039,
0.4688

180.7446, 0.3123,
0.3754

 4.5136, 0.2976,
0.5076

221.8988, 0.3124,
0.3722

 1.9648, 0.2922,
0.5922


268.8688, 0.3125,

 0.5869, 0.0000,

0.3694

1.0000


322.0392, 0.3125,
0.3669

 0.0000, 0.0000,
0.0000

 48.7594, 0.3108,
0.4030

 48.7594, 0.3108,
0.4030

 46.5665, 0.3097,
0.4366


 51.3545, 0.3117,
0.3721

 44.7500, 0.3084,
0.4718

 54.3641, 0.3124,
0.3445

 43.2905, 0.3069,
0.5068

 57.8073, 0.3129,
0.3203

 42.1645, 0.3053,
0.5392

 61.7003, 0.3133,
0.2993

 41.3456, 0.3036,
0.5662

 66.0587, 0.3136,
0.2811

■ 40.8035, 0.3021,
0.5857

■ 68.8640, 0.3153,
0.2732

■ 40.5013, 0.3009,
0.5966

■ 40.4345, 0.3008,
0.5994

Harmonies

Analogous

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



48.7594, 0.3562, 0.4128



48.7594, 0.3108, 0.4030



48.7594, 0.2679, 0.3677

Triad

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



48.7594, 0.3108, 0.4030



48.7594, 0.2376, 0.2594



48.7594, 0.3927, 0.3283

Complementary

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



48.7594, 0.3108, 0.4030



36.3658, 0.3138, 0.2640

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.



48.7594, 0.3562, 0.2936



48.7594, 0.3108, 0.4030



48.7594, 0.2662, 0.2550

Square

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



48.7594, 0.3108, 0.4030



48.7594, 0.2278, 0.2823



48.7594, 0.3091, 0.2675



48.7594, 0.4056, 0.3654

Rectangle

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



48.7594, 0.3108, 0.4030



48.7594, 0.2462, 0.3369



48.7594, 0.3091, 0.2675



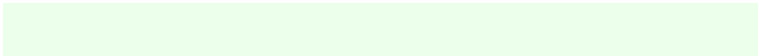
48.7594, 0.3827, 0.3161

Sweetspot

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



48.7615, 0.3108, 0.4030



95.2262, 0.3123, 0.3494



53.2863, 0.3527, 0.3909



20.2023, 0.3122, 0.3535



0.0000, 0.0000, 0.0000



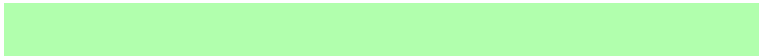
21.4041, 0.3127, 0.3290

Same Dimension

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



48.7615, 0.3108, 0.4030



83.8552, 0.3101, 0.4237



49.3758, 0.2933, 0.3690



11.9075, 0.3122, 0.3528



26.3070, 0.3010, 0.5992



1.2528, 0.3045, 0.5965

Inverse Universe

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



36.3658, 0.3138, 0.2640



57.9152, 0.3139, 0.2486



35.6453, 0.3383, 0.2923



10.7945, 0.3132, 0.3062



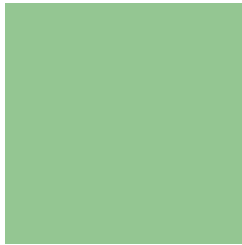
9.7955, 0.3112, 0.1488



0.4706, 0.3133, 0.1500

Previews

White Background



This preview shows how the Yxy color 48.7594, 0.3108, 0.4030 looks on a white background.

Color Contrast Check

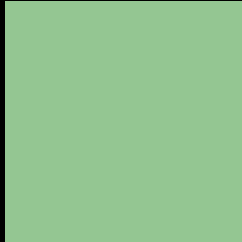
Large Text (above 18pt) WCAG AA × Fail

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 48.7594, 0.3108, 0.4030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

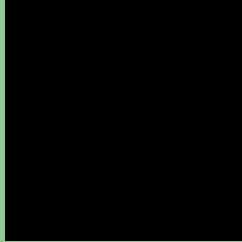
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7594, 0.3108, 0.4030

Background



This preview shows how black text looks on a background with the Yxy color 48.7594, 0.3108, 0.4030.



This preview shows how white text looks on a background with the Yxy color 48.7594, 0.3108, 0.4030.

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

48.7594, 0.3108, 0.4030

Protanopia

48.5971, 0.3608, 0.3864

Deuteranopia

48.4899, 0.3703, 0.3631



Tritanopia

48.5038, 0.2775, 0.3092

Trichromacy



Original Color

48.7594, 0.3108, 0.4030

Protanomaly

48.4832, 0.3415, 0.3931

Deuteranomaly

47.9442, 0.3470, 0.3759

Tritanomaly

48.4706, 0.2890, 0.3412

Monochromacy



Original Color

48.7594, 0.3108, 0.4030

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.5581, 0.3115, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7594, 0.3108, 0.4030 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(148, 198, 146)` looks like.

```
.text, #text, p{  
    color:rgb(148, 198, 146)  
}
```

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(148, 198, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 198, 146) }
```

Border

The CSS property to change the border of an element to Yxy 48.7594, 0.3108, 0.4030 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(148, 198, 146) }
```

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

```
.border{ border-color:rgb(148, 198, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 198, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 198, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 198, 146);  
box-shadow:4px 4px 4px 4px rgb(148, 198,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7594, 0.3108, 0.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 198, 146) }
```

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

```
.background{ background-color: rgb(148,  
198, 146) }
```

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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