

Converting Colors

$Yxy(48.2518, 0.3101, 0.4162)$

Have a look what the booklet for
Yxy(48.2518, 0.3101, 0.4162)
contains.

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Color

Yxy(48.3736, 0.3101, 0.4159)

Conversions

Conversions Part 1

Format	Color
Hex	8DC78B
RGB	141, 199, 139
RGB Percent	55%, 78%, 55%
CMY	0.4471, 0.2196, 0.4548
CMYK	0.29, 0.00, 0.30, 0.22
HSL	118°, 35%, 66%
HSV	118°, 30%, 78%
XYZ	36.0679, 48.3736, 31.8691
YIQ	174.8180, -15.3080, -30.9560

Conversions

Conversions Part 2

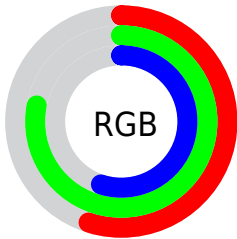
Format	Color
RYB	139, 199, 197
Decimal	9291659
CIELab	75.06, -30.51, 24.21
CIELCh	75, 38.947, 141.567
Yxy	48.3736, 0.3101, 0.4159
Android (android.graphics.Color)	4287481739 (0xFF8DC78B)
YUV	174.8180, -17.6583, -29.6584
Hunter-Lab	69.5511, -29.1477, 21.5184

Details

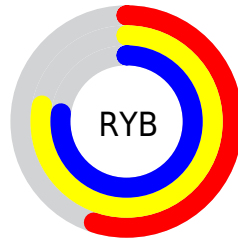
The Yxy color $48.3736, 0.3101, 0.4159$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $34.4697, 0.3143, 0.2544$, and the grayscale version is $42.8703, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.1060, 0.3113, 0.3979$, and $23.0792, 0.3082, 0.4444$ is the 20% darker color. If you saturate the color by 10%, you get $46.3028, 0.3088, 0.4504$, and if you desaturate by 10%, it is $50.8476, 0.3112, 0.3838$.

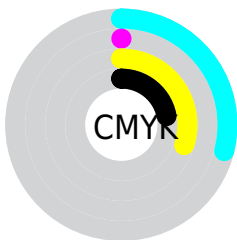
Distribution



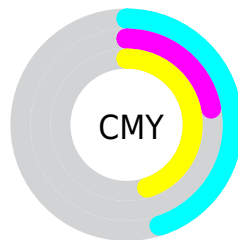
- Red (55%)
- Green (78%)
- Blue (55%)



- Red (55%)
- Yellow (78%)
- Blue (77%)



- Cyan (29%)
- Magenta (0%)
- Yellow (30%)
- Black (22%)





- Cyan (45%)
- Magenta (22%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.3736, 0.3101, 0.4159 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 48.3736, 0.3101, 0.4159 by changing the saturation by 10% instead.


 48.3736, 0.3101,
0.4159


 48.3736, 0.3101,
0.4159


380.2711, 0.3126,
0.3707


 34.1228, 0.3091,
0.4277


 87.7604, 0.3113,
0.3991

 22.9880, 0.3075,
0.4432


 113.6652, 0.3117,
0.3928

 14.5846, 0.3049,
0.4643


 144.2235, 0.3119,
0.3876

 8.5284, 0.3004,
0.4945

179.8197, 0.3121,
0.3832

 4.4349, 0.2914,
0.5408

220.8382, 0.3123,
0.3794

 1.9197, 0.2914,
0.6660

267.6633, 0.3124,

 0.5602, 0.0000,

0.3761

1.0000

320.6795, 0.3125,
0.3732

0.0000, 0.0000,
0.0000

48.3736, 0.3101,
0.4159

48.3736, 0.3101,
0.4159

46.3028, 0.3088,
0.4504

50.8476, 0.3112,
0.3838

44.6081, 0.3074,
0.4859

53.7380, 0.3120,
0.3549

43.2687, 0.3058,
0.5202

57.0650, 0.3127,
0.3293

42.2593, 0.3042,
0.5508

60.8456, 0.3132,
0.3071

41.5514, 0.3027,
0.5751

65.0959, 0.3137,
0.2878

■ 41.1114, 0.3014,
0.5911

■ 69.3290, 0.3153,
0.2742

■ 40.8912, 0.3006,
0.5995

Harmonies

Analogous

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



48.3736, 0.3624, 0.4263



48.3736, 0.3101, 0.4159



48.3736, 0.2610, 0.3743

Triad

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



48.3736, 0.3101, 0.4159



48.3736, 0.2267, 0.2492



48.3736, 0.4053, 0.3272

Complementary

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



48.3736, 0.3101, 0.4159



34.4697, 0.3143, 0.2544

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.



48.3736, 0.3627, 0.2881



48.3736, 0.3101, 0.4159



48.3736, 0.2589, 0.2446

Square

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



48.3736, 0.3101, 0.4159



48.3736, 0.2157, 0.2747



48.3736, 0.3079, 0.2588



48.3736, 0.4202, 0.3694

Rectangle

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



48.3736, 0.3101, 0.4159



48.3736, 0.2364, 0.3380



48.3736, 0.3079, 0.2588



48.3736, 0.3936, 0.3135

Sweetspot

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



48.3756, 0.3101, 0.4159



94.6397, 0.3121, 0.3522



53.9423, 0.3584, 0.4013



20.0843, 0.3120, 0.3562



0.0000, 0.0000, 0.0000



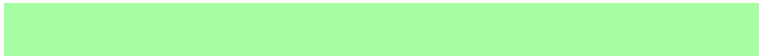
21.4041, 0.3127, 0.3290

Same Dimension

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



48.3756, 0.3101, 0.4159



82.3019, 0.3093, 0.4377



49.1302, 0.2900, 0.3744



11.9042, 0.3121, 0.3528



26.3001, 0.3008, 0.5994



1.2512, 0.3037, 0.5970

Inverse Universe

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



34.4697, 0.3143, 0.2544



54.1778, 0.3145, 0.2389



33.5546, 0.3443, 0.2878



10.7982, 0.3133, 0.3062



9.9041, 0.3128, 0.1497



0.4747, 0.3146, 0.1507

Previews

White Background



This preview shows how the Yxy color 48.3736, 0.3101, 0.4159 looks on a white background.

Color Contrast Check

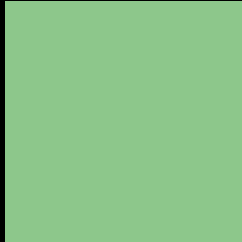
Large Text (above 18pt) WCAG AA × Fail

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 48.3736, 0.3101, 0.4159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

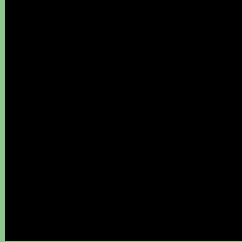
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.3736, 0.3101, 0.4159

Background



This preview shows how black text looks on a background with the Yxy color 48.3736, 0.3101, 0.4159.



This preview shows how white text looks on a background with the Yxy color 48.3736, 0.3101, 0.4159.

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

48.3736, 0.3101, 0.4159

Protanopia

47.9527, 0.3677, 0.3954

Deuteranopia

47.9050, 0.3760, 0.3692



Tritanopia

48.0554, 0.2734, 0.3077

Trichromacy



Original Color

48.3736, 0.3101, 0.4159

Protanomaly

47.4916, 0.3445, 0.4020

Deuteranomaly

47.3423, 0.3500, 0.3856

Tritanomaly

47.9069, 0.2867, 0.3441

Monochromacy



Original Color

48.3736, 0.3101, 0.4159

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.6761, 0.3121, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3736, 0.3101, 0.4159 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(141, 199, 139)` looks like.

```
.text, #text, p{  
    color:rgb(141, 199, 139)  
}
```

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(141, 199, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 199, 139) }
```

Border

The CSS property to change the border of an element to Yxy 48.3736, 0.3101, 0.4159 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(141, 199, 139) }
```

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

```
.border{ border-color:rgb(141, 199, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 199, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 199, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 199, 139);  
box-shadow:4px 4px 4px 4px rgb(141, 199,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3736, 0.3101, 0.4159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 199, 139) }
```

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

```
.background{ background-color: rgb(141,  
199, 139) }
```

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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