

Converting Colors

Yxy(63.8559, 0.3271, 0.4209)

Have a look what the booklet for
Yxy(63.8559, 0.3271, 0.4209)
contains.

Yxy(63.6426, 0.3270, 0.4209)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.6426, 0.3270, 0.4209)

Conversions

Conversions Part 1

Format	Color
Hex	B0DE95
RGB	176, 222, 149
RGB Percent	69%, 87%, 58%
CMY	0.3100, 0.1294, 0.4156
CMYK	0.21, 0.00, 0.33, 0.13
HSL	98°, 53%, 73%
HSV	98°, 33%, 87%
XYZ	49.4444, 63.6426, 38.1190
YIQ	199.9240, -3.9830, -32.4550

Conversions

Conversions Part 2

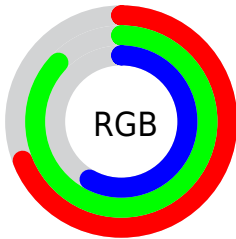
Format	Color
RYB	149, 222, 195
Decimal	11591317
CIELab	83.78, -27.96, 31.08
CIELCh	84, 41.800, 131.976
Yxy	63.6426, 0.3270, 0.4209
Android (android.graphics.Color)	4289781397 (0xFFB0DE95)
YUV	199.9240, -25.1055, -20.9813
Hunter-Lab	79.7763, -28.9765, 27.5132

Details

The Yxy color **63.6426, 0.3270, 0.4209** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.3877, 0.2923, 0.2415**, and the grayscale version is **57.8664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2033, 0.3285, 0.3814**, and **32.6381, 0.3289, 0.4472** is the 20% darker color. If you saturate the color by 10%, you get **61.4533, 0.3301, 0.4525**, and if you desaturate by 10%, it is **66.1411, 0.3231, 0.3905**.

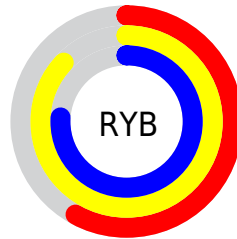
Distribution



Red (69%)

Green (87%)

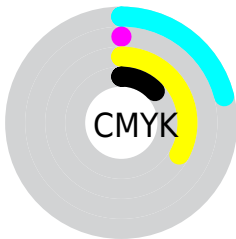
Blue (58%)



Red (58%)

Yellow (87%)

Blue (76%)

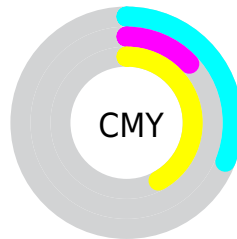


Cyan (21%)

Magenta (0%)

Yellow (33%)

Black (13%)



Cyan (31%)


Magenta (13%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.6426, 0.3270, 0.4209 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 63.6426, 0.3270, 0.4209 by changing the saturation by 10% instead.


 63.6426, 0.3270,
0.4209


 63.6426, 0.3270,
0.4209

437.8979, 0.3215,
0.3755

 46.3613, 0.3279,
0.4320


 110.0961, 0.3254,
0.4046

 32.5310, 0.3287,
0.4460


 140.0370, 0.3247,
0.3984

 21.7674, 0.3294,
0.4643


174.9665, 0.3240,
0.3931

 13.6861, 0.3294,
0.4891

215.2691, 0.3234,
0.3886

 7.9027, 0.3277,
0.5241

261.3292, 0.3229,
0.3847

 4.0327, 0.3222,
0.5783

313.5310, 0.3224,

 1.6919, 0.3120,

0.3812

0.6880

372.2591, 0.3219,
0.3782

0.4184, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.6426, 0.3270,
0.4209

63.6426, 0.3270,
0.4209

61.4533, 0.3301,
0.4525

66.1411, 0.3231,
0.3905

59.5522, 0.3321,
0.4841


68.9524, 0.3187,
0.3620

57.9281, 0.3327,
0.5141


72.0907, 0.3141,
0.3360

56.5659, 0.3314,
0.5406


75.5665, 0.3094,
0.3126

 55.4488, 0.3284,
0.5619

 79.0621, 0.3080,
0.2964

 54.5572, 0.3238,
0.5768

 80.7297, 0.3142,
0.2970

 54.0405, 0.3200,
0.5842

Harmonies

Analogous

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



63.6426, 0.3762, 0.4208



63.6426, 0.3270, 0.4209



63.6426, 0.2763, 0.3888

Triad

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



63.6426, 0.3270, 0.4209



63.6426, 0.2225, 0.2565



63.6426, 0.3924, 0.3144

Complementary

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



63.6426, 0.3270, 0.4209



38.3877, 0.2923, 0.2415

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.



63.6426, 0.3449, 0.2784



63.6426, 0.3270, 0.4209



63.6426, 0.2477, 0.2455

Square

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



63.6426, 0.3270, 0.4209



63.6426, 0.2188, 0.2882



63.6426, 0.2914, 0.2538



63.6426, 0.4168, 0.3557

Rectangle

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



63.6426, 0.3270, 0.4209



63.6426, 0.2484, 0.3551



63.6426, 0.2914, 0.2538



63.6426, 0.3784, 0.3015

Sweetspot

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



63.6454, 0.3270, 0.4209



95.5403, 0.3174, 0.3545



56.3002, 0.3717, 0.3815



20.3233, 0.3180, 0.3583



0.0000, 0.0000, 0.0000



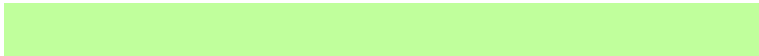
21.4041, 0.3127, 0.3290

Same Dimension

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



63.6454, 0.3270, 0.4209



85.1444, 0.3291, 0.4411



61.0937, 0.3031, 0.4147



15.5823, 0.3171, 0.3528



32.1526, 0.3210, 0.5833



2.2783, 0.3331, 0.5737

Inverse Universe

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



38.3877, 0.2923, 0.2415



45.7977, 0.2871, 0.2234



41.8620, 0.3241, 0.2562



13.6697, 0.3079, 0.3055



6.5132, 0.2304, 0.1043



0.5018, 0.2444, 0.1120

Previews

White Background



This preview shows how the Yxy color 63.6426, 0.3270, 0.4209 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 63.6426, 0.3270, 0.4209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

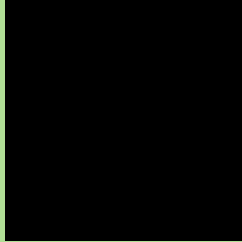
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.6426, 0.3270, 0.4209

Background



This preview shows how black text looks on a background with the Yxy color 63.6426, 0.3270, 0.4209.



This preview shows how white text looks on a background with the Yxy color 63.6426, 0.3270, 0.4209.

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

63.6426, 0.3270, 0.4209

Protanopia

63.1025, 0.3736, 0.4026

Deuteranopia

63.2345, 0.3859, 0.3784



Tritanopia

63.4355, 0.2848, 0.3092

Trichromacy



Original Color

63.6426, 0.3270, 0.4209



Protanomaly

62.8982, 0.3557, 0.4095



Deuteranomaly

62.7509, 0.3638, 0.3933



Tritanomaly

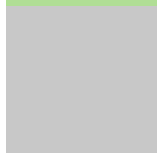
63.4722, 0.3004, 0.3483

Monochromacy



Original Color

63.6426, 0.3270, 0.4209



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

59.5243, 0.3187, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6426, 0.3270, 0.4209 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(176, 222, 149)` looks like.

```
.text, #text, p{  
    color:rgb(176, 222, 149)  
}
```

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(176, 222, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 222, 149) }
```

Border

The CSS property to change the border of an element to Yxy 63.6426, 0.3270, 0.4209 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(176, 222, 149) }
```

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

```
.border{ border-color:rgb(176, 222, 149) }
```

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

Here you see how a box with a 4 pixel rgb(176, 222, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 222, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 222, 149);  
box-shadow:4px 4px 4px 4px rgb(176, 222,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6426, 0.3270, 0.4209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 222, 149) }
```

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

```
.background{ background-color: rgb(176,  
222, 149) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor