

Converting Colors

$Yxy(63.1775, 0.3398, 0.3978)$

Have a look what the booklet for
Yxy(63.1775, 0.3398, 0.3978)
contains.

Yxy(63.2116, 0.3399, 0.3977)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.2116, 0.3399, 0.3977)

Conversions

Conversions Part 1

Format	Color
Hex	C7D79E
RGB	199, 215, 158
RGB Percent	78%, 84%, 62%
CMY	0.2196, 0.1568, 0.3803
CMYK	0.07, 0.00, 0.27, 0.16
HSL	77°, 42%, 73%
HSV	77°, 27%, 84%
XYZ	54.0247, 63.2116, 41.7066
YIQ	203.7180, 8.7610, -21.1190

Conversions

Conversions Part 2

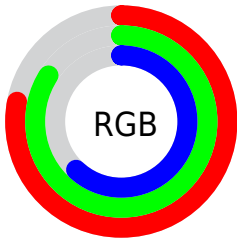
Format	Color
RYB	158, 215, 174
Decimal	13096862
CIELab	83.55, -14.93, 26.40
CIElCh	84, 30.326, 119.496
Yxy	63.2116, 0.3399, 0.3977
Android (android.graphics.Color)	4291286942 (0xFFC7D79E)
YUV	203.7180, -22.5390, -4.1377
Hunter-Lab	79.5057, -17.8430, 24.5520

Details

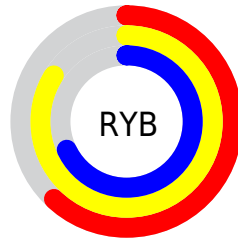
The Yxy color **63.2116, 0.3399, 0.3977** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.3666, 0.2801, 0.2561**, and the grayscale version is **60.3384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **32.2020, 0.3465, 0.4156** is the 20% darker color. If you saturate the color by 10%, you get **61.7275, 0.3496, 0.4251**, and if you desaturate by 10%, it is **64.8636, 0.3297, 0.3708**.

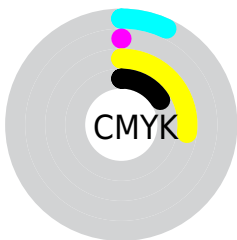
Distribution



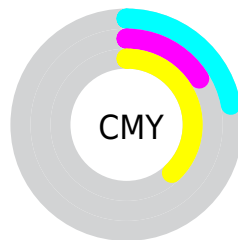
- Red (78%)
- Green (84%)
- Blue (62%)



- Red (62%)
- Yellow (84%)
- Blue (68%)



- Cyan (7%)
- Magenta (0%)
- Yellow (27%)
- Black (16%)





- Cyan (22%)
- Magenta (16%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2116, 0.3399, 0.3977 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 63.2116, 0.3399, 0.3977 by changing the saturation by 10% instead.


 63.2116, 0.3399,
0.3977

 63.2116, 0.3399,
0.3977


436.3370, 0.3276,
0.3643

 46.0124, 0.3426,
0.4057


 109.4747, 0.3357,
0.3858

 32.2556, 0.3458,
0.4158


 139.3075, 0.3341,
0.3813

 21.5568, 0.3497,
0.4288


174.1202, 0.3326,
0.3774

 13.5316, 0.3544,
0.4463

214.2972, 0.3314,
0.3740

 7.7956, 0.3600,
0.4708

260.2230, 0.3303,
0.3711

 3.9645, 0.3660,
0.5069

312.2820, 0.3293,

 1.6537, 0.3954,

0.3686

0.6046

370.8586, 0.3284,
0.3663

0.3934, 0.0234,
0.9766

0.0000, 0.0000,
0.0000

63.2116, 0.3399,
0.3977

63.2116, 0.3399,
0.3977

61.7275, 0.3496,
0.4251

64.8636, 0.3297,
0.3708

60.3959, 0.3582,
0.4520

66.6817, 0.3194,
0.3450

59.2117, 0.3654,
0.4773

68.6751, 0.3092,
0.3207

58.1665, 0.3705,
0.4999

70.8495, 0.2994,
0.2983

■ 57.2506, 0.3732,
0.5185

■ 72.5145, 0.2966,
0.2879

■ 56.4530, 0.3734,
0.5326

■ 73.5267, 0.3008,
0.2884

■ 55.7594, 0.3711,
0.5418

■ 74.5738, 0.3050,
0.2889

■ 55.5331, 0.3700,
0.5444

■ 75.6562, 0.3092,
0.2894

■ 76.7742, 0.3134,
0.2899

Harmonies

Analogous

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



63.2116, 0.3720, 0.3906



63.2116, 0.3399, 0.3977



63.2116, 0.3018, 0.3834

Triad

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



63.2116, 0.3399, 0.3977



63.2116, 0.2422, 0.2843



63.2116, 0.3578, 0.3067

Complementary

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



63.2116, 0.3399, 0.3977



38.3666, 0.2801, 0.2561

Split Complementary

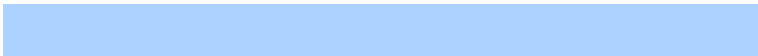
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.2116, 0.3203, 0.2822



63.2116, 0.3399, 0.3977



63.2116, 0.2548, 0.2686

Square

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



63.2116, 0.3399, 0.3977



63.2116, 0.2467, 0.3141



63.2116, 0.2827, 0.2684



63.2116, 0.3834, 0.3372

Rectangle

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



63.2116, 0.3399, 0.3977



63.2116, 0.2782, 0.3633



63.2116, 0.2827, 0.2684



63.2116, 0.3460, 0.2976

Sweetspot

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



63.2144, 0.3399, 0.3977



97.6842, 0.3210, 0.3489



46.8854, 0.3646, 0.3476



20.8192, 0.3225, 0.3528



0.0000, 0.0000, 0.0000



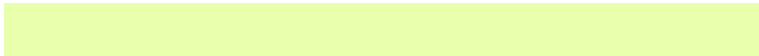
21.4041, 0.3127, 0.3290

Same Dimension

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



63.2144, 0.3399, 0.3977



91.7209, 0.3456, 0.4136



59.7661, 0.3188, 0.4025



14.3365, 0.3224, 0.3523



33.2691, 0.3708, 0.5438



2.0473, 0.3795, 0.5369

Inverse Universe

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



38.3666, 0.2801, 0.2561



49.0403, 0.2713, 0.2380



41.8808, 0.3040, 0.2610



12.1759, 0.3025, 0.3052



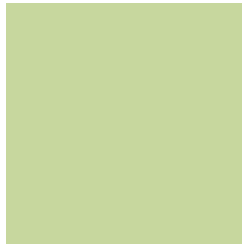
3.5629, 0.1684, 0.0701



0.2565, 0.1870, 0.0804

Previews

White Background



This preview shows how the Yxy color 63.2116, 0.3399, 0.3977 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 63.2116, 0.3399, 0.3977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

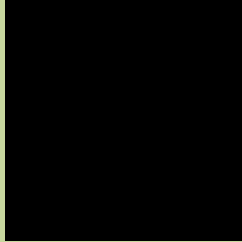
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

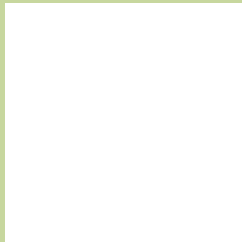
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.2116, 0.3399, 0.3977

Background



This preview shows how black text looks on a background with the Yxy color 63.2116, 0.3399, 0.3977.



This preview shows how white text looks on a background with the Yxy color 63.2116, 0.3399, 0.3977.

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

63.2116, 0.3399, 0.3977

Protanopia

63.1663, 0.3632, 0.3895

Deuteranopia

63.1149, 0.3788, 0.3712



Tritanopia

63.3633, 0.3025, 0.3109

Trichromacy



Original Color

63.2116, 0.3399, 0.3977

Protanomaly

63.2850, 0.3543, 0.3931

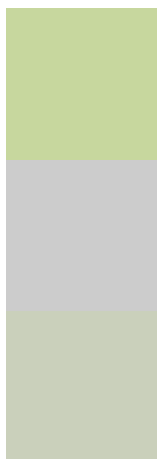
Deuteranomaly

62.6947, 0.3646, 0.3798

Tritanomaly

63.1958, 0.3166, 0.3418

Monochromacy



Original Color

63.2116, 0.3399, 0.3977

Achromatopsia

60.3827, 0.3127, 0.3290

Achromatomaly

61.2562, 0.3230, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2116, 0.3399, 0.3977 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(199, 215, 158)` looks like.

```
.text, #text, p{  
    color:rgb(199, 215, 158)  
}
```

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(199, 215, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 215, 158) }
```

Border

The CSS property to change the border of an element to Yxy 63.2116, 0.3399, 0.3977 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(199, 215, 158) }
```

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

```
.border{ border-color:rgb(199, 215, 158) }
```

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

Here you see how a box with a 4 pixel rgb(199, 215, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 215, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 215, 158);  
box-shadow:4px 4px 4px 4px rgb(199, 215,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2116, 0.3399, 0.3977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 215, 158) }
```

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

```
.background{ background-color: rgb(199,  
215, 158) }
```

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