

Converting Colors

Yxy(68.8482, 0.3347, 0.3955)

Have a look what the booklet for
Yxy(68.8482, 0.3347, 0.3955)
contains.

Yxy(68.7978, 0.3352, 0.3958)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(68.7978, 0.3352, 0.3958)

Conversions

Conversions Part 1

Format	Color
Hex	CBE0A7
RGB	203, 224, 167
RGB Percent	80%, 88%, 65%
CMY	0.2038, 0.1216, 0.3452
CMYK	0.09, 0.00, 0.25, 0.12
HSL	82°, 48%, 77%
HSV	82°, 25%, 88%
XYZ	58.2643, 68.7978, 46.7575
YIQ	211.2230, 5.7810, -22.1790

Conversions

Conversions Part 2

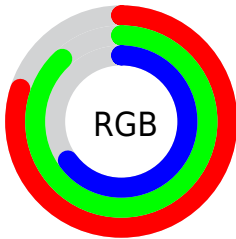
Format	Color
RYB	167, 224, 188
Decimal	13361319
CIELab	86.40, -16.65, 25.67
CIElCh	86, 30.598, 122.976
Yxy	68.7978, 0.3352, 0.3958
Android (android.graphics.Color)	4291551399 (0xFFCBE0A7)
YUV	211.2230, -21.8019, -7.2116
Hunter-Lab	82.9444, -19.7654, 24.6381

Details

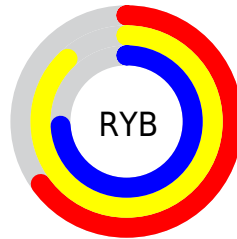
The Yxy color **68.7978, 0.3352, 0.3958** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.6967, 0.2855, 0.2599**, and the grayscale version is **65.4444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **35.9096, 0.3390, 0.4127** is the 20% darker color. If you saturate the color by 10%, you get **66.9168, 0.3434, 0.4241**, and if you desaturate by 10%, it is **70.8897, 0.3264, 0.3684**.

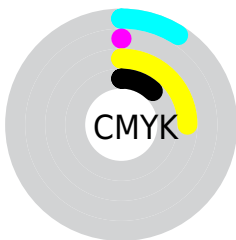
Distribution



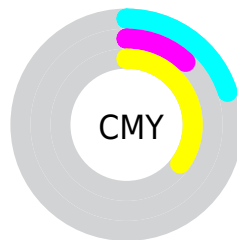
- Red (80%)
- Green (88%)
- Blue (65%)



- Red (65%)
- Yellow (88%)
- Blue (74%)



- Cyan (9%)
- Magenta (0%)
- Yellow (25%)
- Black (12%)



- Cyan (20%)
- Magenta (12%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7978, 0.3352, 0.3958 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 68.7978, 0.3352, 0.3958 by changing the saturation by 10% instead.


 68.7978, 0.3352,
0.3958

 68.7978, 0.3352,
0.3958


456.3175, 0.3253,
0.3637

 50.5471, 0.3373,
0.4034


 117.4927, 0.3319,
0.3844

 35.8483, 0.3398,
0.4129


 148.7057, 0.3306,
0.3801

 24.3170, 0.3428,
0.4252


185.0082, 0.3294,
0.3764

 15.5690, 0.3464,
0.4414

226.7846, 0.3284,
0.3731

 9.2197, 0.3505,
0.4641

274.4194, 0.3275,
0.3703

 4.8847, 0.3548,
0.4972

328.2968, 0.3267,

 2.1798, 0.3747,

0.3679

0.5770

388.8014, 0.3259,
0.3657

0.7089, 0.2738,
0.7262

0.0000, 0.0000,
0.0000

68.7978, 0.3352,
0.3958

68.7978, 0.3352,
0.3958

66.9168, 0.3434,
0.4241

70.8897, 0.3264,
0.3684

65.2294, 0.3507,
0.4524

73.1914, 0.3175,
0.3424

63.7296, 0.3565,
0.4795

75.7130, 0.3088,
0.3183

62.4074, 0.3603,
0.5041

78.3595, 0.3013,
0.2977

■ 61.2518, 0.3618,
0.5250

■ 79.8019, 0.3068,
0.2982

■ 60.2501, 0.3608,
0.5411

■ 81.3101, 0.3124,
0.2988

■ 59.3869, 0.3575,
0.5521

■ 81.7903, 0.3141,
0.2989

■ 59.0289, 0.3555,
0.5559

Harmonies

Analogous

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



68.7978, 0.3679, 0.3912



68.7978, 0.3352, 0.3958



68.7978, 0.2978, 0.3793

Triad

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



68.7978, 0.3352, 0.3958



68.7978, 0.2440, 0.2826



68.7978, 0.3606, 0.3104

Complementary

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



68.7978, 0.3352, 0.3958



43.6967, 0.2855, 0.2599

Split Complementary

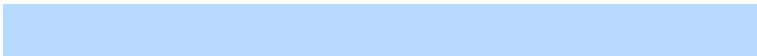
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.7978, 0.3246, 0.2853



68.7978, 0.3352, 0.3958



68.7978, 0.2584, 0.2689

Square

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



68.7978, 0.3352, 0.3958



68.7978, 0.2465, 0.3105



68.7978, 0.2872, 0.2704



68.7978, 0.3837, 0.3407

Rectangle

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



68.7978, 0.3352, 0.3958



68.7978, 0.2752, 0.3586



68.7978, 0.2872, 0.2704



68.7978, 0.3495, 0.3012

Sweetspot

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



68.8008, 0.3352, 0.3958



97.3601, 0.3199, 0.3490



54.5546, 0.3606, 0.3534



20.7374, 0.3212, 0.3529



0.0000, 0.0000, 0.0000



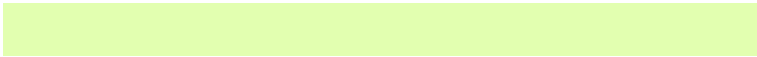
21.4041, 0.3127, 0.3290

Same Dimension

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



68.8008, 0.3352, 0.3958



90.8106, 0.3400, 0.4121



65.1655, 0.3146, 0.4003



15.7645, 0.3211, 0.3526



34.4271, 0.3564, 0.5552



2.4366, 0.3662, 0.5475

Inverse Universe

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



43.6967, 0.2855, 0.2599



51.2325, 0.2779, 0.2424



47.6715, 0.3092, 0.2646



13.4874, 0.3038, 0.3052



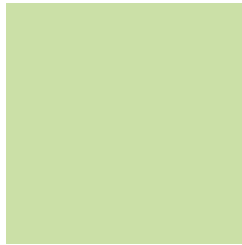
4.2461, 0.1798, 0.0764



0.3440, 0.1971, 0.0859

Previews

White Background



This preview shows how the Yxy color 68.7978, 0.3352, 0.3958 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 68.7978, 0.3352, 0.3958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

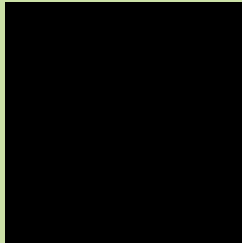
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.7978, 0.3352, 0.3958

Background



This preview shows how black text looks on a background with the Yxy color 68.7978, 0.3352, 0.3958.



This preview shows how white text looks on a background with the Yxy color 68.7978, 0.3352, 0.3958.

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

68.7978, 0.3352, 0.3958

Protanopia

68.7450, 0.3614, 0.3875

Deuteranopia

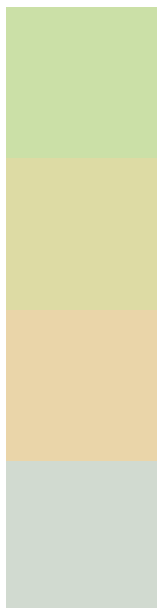
68.2234, 0.3759, 0.3679



Tritanopia

68.4241, 0.2994, 0.3103

Trichromacy



Original Color

68.7978, 0.3352, 0.3958

Protanomaly

68.7155, 0.3520, 0.3911

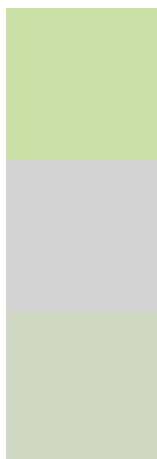
Deuteranomaly

67.9455, 0.3604, 0.3773

Tritanomaly

68.2522, 0.3129, 0.3403

Monochromacy



Original Color

68.7978, 0.3352, 0.3958

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.4618, 0.3211, 0.3532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7978, 0.3352, 0.3958 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(203, 224, 167)` looks like.

```
.text, #text, p{  
    color:rgb(203, 224, 167)  
}
```

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(203, 224, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 224, 167) }
```

Border

The CSS property to change the border of an element to Yxy 68.7978, 0.3352, 0.3958 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(203, 224, 167) }
```

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

```
.border{ border-color:rgb(203, 224, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 224, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 224, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 224, 167); box-shadow:4px 4px 4px 4px rgb(203, 224, 167) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7978, 0.3352, 0.3958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 224, 167) }
```

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

```
.background{ background-color: rgb(203,  
224, 167) }
```

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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