

Converting Colors

$Yxy(67.7168, 0.3262, 0.3988)$

Have a look what the booklet for
Yxy(67.7168, 0.3262, 0.3988)
contains.

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Color

Yxy(67.7168, 0.3262, 0.3988)

Conversions

Conversions Part 1

Format	Color
Hex	BFE1A7
RGB	191, 225, 167
RGB Percent	75%, 88%, 65%
CMY	0.2509, 0.1176, 0.3452
CMYK	0.15, 0.00, 0.26, 0.12
HSL	95°, 49%, 77%
HSV	95°, 26%, 88%
XYZ	55.3892, 67.7168, 46.6954
YIQ	208.2220, -1.6460, -25.2460

Conversions

Conversions Part 2

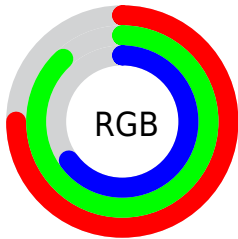
Format	Color
RYB	167, 225, 201
Decimal	12575143
CIELab	85.86, -21.43, 24.81
CIELCh	86, 32.784, 130.831
Yxy	67.7168, 0.3262, 0.3988
Android (android.graphics.Color)	4290765223 (0xFFBFE1A7)
YUV	208.2220, -20.3224, -15.1037
Hunter-Lab	82.2902, -23.8602, 23.9592

Details

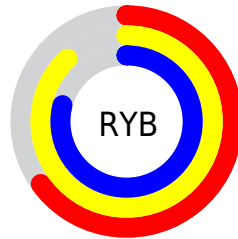
The Yxy color **67.7168, 0.3262, 0.3988** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.4724, 0.2954, 0.2610**, and the grayscale version is **63.3665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.7504, 0.3276, 0.3616**, and **35.3056, 0.3282, 0.4170** is the 20% darker color. If you saturate the color by 10%, you get **65.3268, 0.3307, 0.4293**, and if you desaturate by 10%, it is **70.4110, 0.3212, 0.3700**.

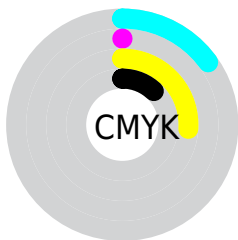
Distribution



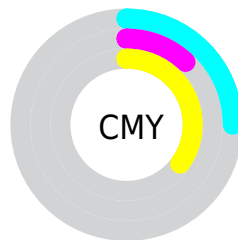
- Red (75%)
- Green (88%)
- Blue (65%)



- Red (65%)
- Yellow (88%)
- Blue (79%)



- Cyan (15%)
- Magenta (0%)
- Yellow (26%)
- Black (12%)





- Cyan (25%)
- Magenta (12%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7168, 0.3262, 0.3988 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 67.7168, 0.3262, 0.3988 by changing the saturation by 10% instead.

 67.7168, 0.3262,
0.3988


 67.7168, 0.3262,
0.3988

452.4920, 0.3206,
0.3649

 49.6674, 0.3273,
0.4069


 115.9469, 0.3244,
0.3867

 35.1492, 0.3285,
0.4171


 146.8964, 0.3236,
0.3821

 23.7778, 0.3299,
0.4304


182.9147, 0.3230,
0.3782

 15.1689, 0.3313,
0.4482

224.3862, 0.3224,
0.3748

 8.9380, 0.3324,
0.4732

271.6952, 0.3219,
0.3719

 4.7008, 0.3321,
0.5107

325.2263, 0.3214,

 2.0728, 0.3447,

0.3693

0.6034

385.3637, 0.3210,
0.3670

0.6493, 0.1263,
0.8737

0.0000, 0.0000,
0.0000

67.7168, 0.3262,
0.3988

67.7168, 0.3262,
0.3988

65.3268, 0.3307,
0.4293

70.4110, 0.3212,
0.3700

63.2208, 0.3342,
0.4605

73.4115, 0.3158,
0.3433

61.3892, 0.3365,
0.4911

76.7314, 0.3105,
0.3191

59.8186, 0.3370,
0.5195

80.2529, 0.3064,
0.2992

■ 58.4943, 0.3356,
0.5441

■ 82.3306, 0.3141,
0.2999

■ 57.3995, 0.3323,
0.5631

■ 56.5144, 0.3272,
0.5760

■ 56.1926, 0.3249,
0.5802

Harmonies

Analogous

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



67.7168, 0.3638, 0.3994



67.7168, 0.3262, 0.3988



67.7168, 0.2865, 0.3754

Triad

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



67.7168, 0.3262, 0.3988



67.7168, 0.2414, 0.2736



67.7168, 0.3727, 0.3171

Complementary

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



67.7168, 0.3262, 0.3988



45.4724, 0.2954, 0.2610

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.



67.7168, 0.3363, 0.2884



67.7168, 0.3262, 0.3988



67.7168, 0.2611, 0.2635

Square

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



67.7168, 0.3262, 0.3988



67.7168, 0.2393, 0.2997



67.7168, 0.2952, 0.2692



67.7168, 0.3922, 0.3499

Rectangle

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



67.7168, 0.3262, 0.3988



67.7168, 0.2642, 0.3508



67.7168, 0.2952, 0.2692



67.7168, 0.3619, 0.3068

Sweetspot

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



67.7197, 0.3262, 0.3988



96.5600, 0.3170, 0.3492



60.4866, 0.3579, 0.3678



20.5359, 0.3179, 0.3531



0.0000, 0.0000, 0.0000



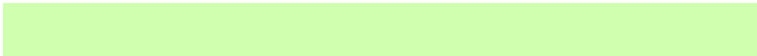
21.4041, 0.3127, 0.3290

Same Dimension

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



67.7197, 0.3262, 0.3988



88.1677, 0.3287, 0.4152



65.0340, 0.3063, 0.3962



15.6134, 0.3178, 0.3528



32.4455, 0.3260, 0.5793



2.3005, 0.3382, 0.5697

Inverse Universe

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



45.4724, 0.2954, 0.2610



53.8164, 0.2909, 0.2455



48.8103, 0.3197, 0.2699



13.6377, 0.3072, 0.3054



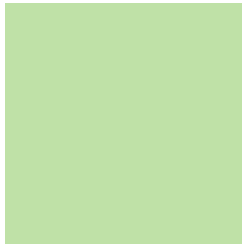
6.0162, 0.2203, 0.0987



0.4692, 0.2354, 0.1071

Previews

White Background



This preview shows how the Yxy color 67.7168, 0.3262, 0.3988 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 67.7168, 0.3262, 0.3988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

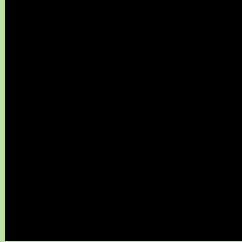
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.7168, 0.3262, 0.3988

Background



This preview shows how black text looks on a background with the Yxy color 67.7168, 0.3262, 0.3988.



This preview shows how white text looks on a background with the Yxy color 67.7168, 0.3262, 0.3988.

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

67.7168, 0.3262, 0.3988

Protanopia

67.3598, 0.3612, 0.3869

Deuteranopia

67.4069, 0.3738, 0.3660



Tritanopia

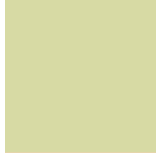
67.4124, 0.2912, 0.3099

Trichromacy



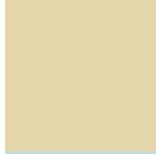
Original Color

67.7168, 0.3262, 0.3988



Protanomaly

67.2702, 0.3476, 0.3911



Deuteranomaly

67.1488, 0.3556, 0.3769



Tritanomaly

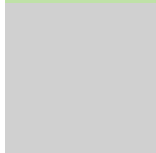
67.1368, 0.3037, 0.3406

Monochromacy



Original Color

67.7168, 0.3262, 0.3988



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

64.4999, 0.3182, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7168, 0.3262, 0.3988 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(191, 225, 167)` looks like.

```
.text, #text, p{  
    color:rgb(191, 225, 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(191, 225, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 225, 167) }
```

Border

The CSS property to change the border of an element to Yxy 67.7168, 0.3262, 0.3988 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(191, 225, 167) }
```

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

```
.border{ border-color:rgb(191, 225, 167) }
```

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

Here you see how a box with a 4 pixel rgb(191, 225, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 225, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 225, 167);  
box-shadow:4px 4px 4px 4px rgb(191, 225,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7168, 0.3262, 0.3988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 225, 167) }
```

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

```
.background{ background-color: rgb(191,  
225, 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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