

Converting Colors

$Yxy(67.8073, 0.3126, 0.3864)$

Have a look what the booklet for
Yxy(67.8073, 0.3126, 0.3864)
contains.

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Color

Yxy(67.7147, 0.3128, 0.3861)

Conversions

Conversions Part 1

Format	Color
Hex	B7E2B3
RGB	183, 226, 179
RGB Percent	72%, 89%, 70%
CMY	0.2823, 0.1137, 0.2982
CMYK	0.19, 0.00, 0.21, 0.11
HSL	115°, 45%, 79%
HSV	115°, 21%, 89%
XYZ	54.8593, 67.7147, 52.8073
YIQ	207.7850, -10.5410, -23.7330

Conversions

Conversions Part 2

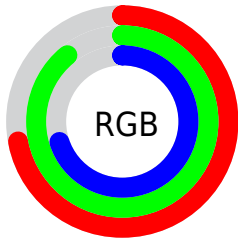
Format	Color
RYB	179, 226, 222
Decimal	12051123
CIELab	85.86, -22.77, 18.49
CIELCh	86, 29.330, 140.916
Yxy	67.7147, 0.3128, 0.3861
Android (android.graphics.Color)	4290241203 (0xFFB7E2B3)
YUV	207.7850, -14.1910, -21.7364
Hunter-Lab	82.2889, -25.0057, 19.5541

Details

The Yxy color **67.7147, 0.3128, 0.3861** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.2421, 0.3118, 0.2769**, and the grayscale version is **63.0292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8689, 0.3143, 0.3489**, and **35.2993, 0.3119, 0.4021** is the 20% darker color. If you saturate the color by 10%, you get **64.5267, 0.3125, 0.4183**, and if you desaturate by 10%, it is **71.4302, 0.3129, 0.3569**.

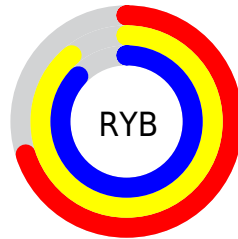
Distribution



Red (72%)

Green (89%)

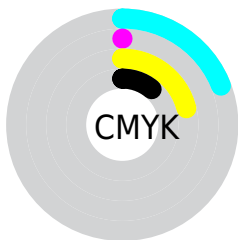
Blue (70%)



Red (70%)

Yellow (89%)

Blue (87%)

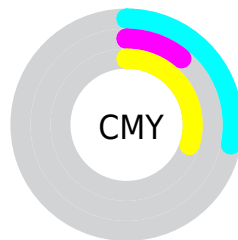


Cyan (19%)

Magenta (0%)

Yellow (21%)

Black (11%)



Cyan (28%)


Magenta (11%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7147, 0.3128, 0.3861 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 67.7147, 0.3128, 0.3861 by changing the saturation by 10% instead.

 67.7147, 0.3128,
0.3861

 67.7147, 0.3128,
0.3861

452.4845, 0.3133,
0.3584

 49.6657, 0.3126,
0.3928


 115.9439, 0.3131,
0.3762

 35.1478, 0.3122,
0.4012


146.8929, 0.3131,
0.3724

 23.7768, 0.3115,
0.4121


182.9106, 0.3132,
0.3692

 15.1681, 0.3105,
0.4269

224.3815, 0.3132,
0.3665

 8.9375, 0.3085,
0.4480

271.6899, 0.3132,
0.3641

 4.7004, 0.3046,
0.4802

325.2203, 0.3133,

 2.0726, 0.2982,

0.3619

385.3570, 0.3133,
0.3601

0.5403

0.6491, 0.0862,
0.9138

0.0000, 0.0000,
0.0000

67.7147, 0.3128,
0.3861

67.7147, 0.3128,
0.3861

64.5267, 0.3125,
0.4183

71.4302, 0.3129,
0.3569

61.8341, 0.3118,
0.4527

75.6865, 0.3127,
0.3310

59.6145, 0.3108,
0.4880

80.5071, 0.3125,
0.3083

57.8406, 0.3093,
0.5219

82.8764, 0.3140,
0.3009

■ 56.4820, 0.3075,
0.5519

■ 55.5047, 0.3054,
0.5756

■ 54.8691, 0.3032,
0.5911

■ 54.5390, 0.3016,
0.5987

Harmonies

Analogous

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



67.7147, 0.3482, 0.3939



67.7147, 0.3128, 0.3861



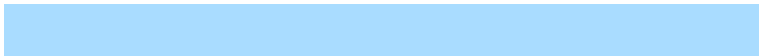
67.7147, 0.2787, 0.3598

Triad

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



67.7147, 0.3128, 0.3861



67.7147, 0.2528, 0.2746



67.7147, 0.3743, 0.3284

Complementary

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



67.7147, 0.3128, 0.3861



53.2421, 0.3118, 0.2769

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.



67.7147, 0.3459, 0.3004



67.7147, 0.3128, 0.3861



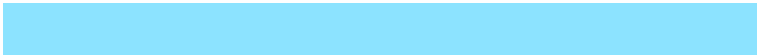
67.7147, 0.2755, 0.2701

Square

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



67.7147, 0.3128, 0.3861



67.7147, 0.2453, 0.2937



67.7147, 0.3093, 0.2796



67.7147, 0.3851, 0.3580

Rectangle

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



67.7147, 0.3128, 0.3861



67.7147, 0.2610, 0.3366



67.7147, 0.3093, 0.2796



67.7147, 0.3664, 0.3186

Sweetspot

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



67.7176, 0.3128, 0.3861



96.4967, 0.3128, 0.3441



71.2960, 0.3450, 0.3759



20.5761, 0.3128, 0.3458



0.0000, 0.0000, 0.0000



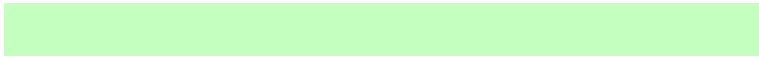
21.4041, 0.3127, 0.3290

Same Dimension

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



67.7176, 0.3128, 0.3861



87.1258, 0.3127, 0.3998



68.0431, 0.2984, 0.3630



15.3932, 0.3129, 0.3531



31.1335, 0.3020, 0.5984



2.1777, 0.3075, 0.5940

Inverse Universe

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



53.2421, 0.3118, 0.2769



64.8271, 0.3115, 0.2658



52.9105, 0.3302, 0.2973



13.8727, 0.3124, 0.3058



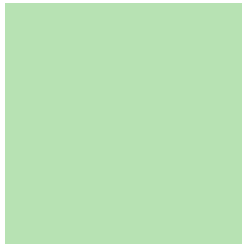
10.6930, 0.2995, 0.1424



0.7590, 0.3030, 0.1443

Previews

White Background



This preview shows how the Yxy color 67.7147, 0.3128, 0.3861 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 67.7147, 0.3128, 0.3861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

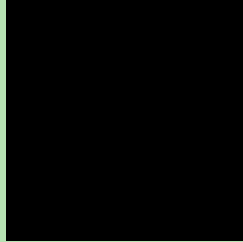
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.7147, 0.3128, 0.3861

Background



This preview shows how black text looks on a background with the Yxy color 67.7147, 0.3128, 0.3861.

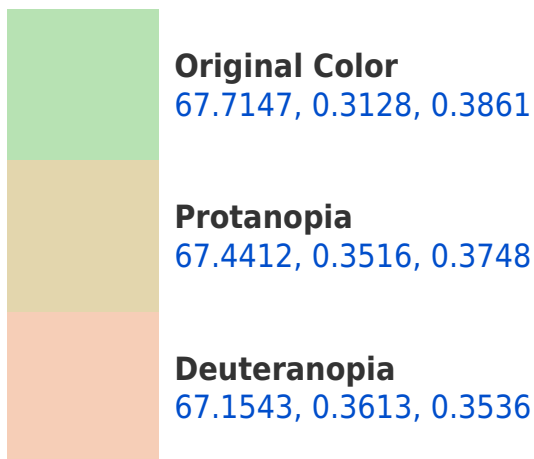


This preview shows how white text looks on a background with the Yxy color 67.7147, 0.3128, 0.3861.

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





Tritanopia

67.4054, 0.2836, 0.3086

Trichromacy



Original Color

67.7147, 0.3128, 0.3861



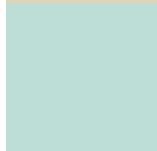
Protanomaly

67.0868, 0.3369, 0.3788



Deuteranomaly

66.6539, 0.3422, 0.3639



Tritanomaly

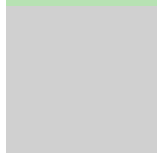
67.4380, 0.2945, 0.3360

Monochromacy



Original Color

67.7147, 0.3128, 0.3861



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

64.7742, 0.3132, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7147, 0.3128, 0.3861 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(183, 226, 179)` looks like.

```
.text, #text, p{  
    color:rgb(183, 226, 179)  
}
```

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(183, 226, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 226, 179) }
```

Border

The CSS property to change the border of an element to Yxy 67.7147, 0.3128, 0.3861 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(183, 226, 179) }
```

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

```
.border{ border-color:rgb(183, 226, 179) }
```

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

Here you see how a box with a 4 pixel rgb(183, 226, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 226, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 226, 179);  
box-shadow:4px 4px 4px 4px rgb(183, 226,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7147, 0.3128, 0.3861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 226, 179) }
```

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

```
.background{ background-color: rgb(183,  
226, 179) }
```

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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