

Converting Colors

Yxy(62.8711, 0.2983, 0.4829)

Have a look what the booklet for
Yxy(62.8711, 0.2983, 0.4829)
contains.

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Color

Yxy(62.8711, 0.2983, 0.4829)

Conversions

Conversions Part 1

Format	Color
Hex	6CE97A
RGB	108, 233, 122
RGB Percent	42%, 91%, 48%
CMY	0.5763, 0.0863, 0.5217
CMYK	0.54, 0.00, 0.48, 0.09
HSL	127°, 74%, 67%
HSV	127°, 54%, 91%
XYZ	38.8371, 62.8711, 28.4866
YIQ	182.9710, -38.8690, -61.0210

Conversions

Conversions Part 2

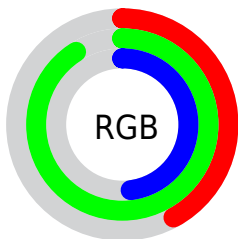
Format	Color
RYB	108, 220, 233
Decimal	7137658
CIELab	83.37, -57.31, 43.42
CIELCh	83, 71.901, 142.852
Yxy	62.8711, 0.2983, 0.4829
Android (android.graphics.Color)	4285327738 (0xFF6CE97A)
YUV	182.9710, -30.0587, -65.7496
Hunter-Lab	79.2913, -51.3299, 34.2031

Details

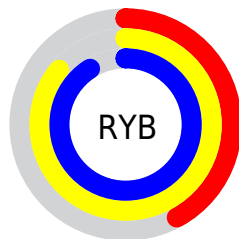
The Yxy color **62.8711, 0.2983, 0.4829** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **33.1755, 0.3325, 0.2131**, and the grayscale version is **47.5251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9794, 0.3038, 0.4219**, and **31.9440, 0.2894, 0.5281** is the 20% darker color. If you saturate the color by 10%, you get **61.1427, 0.2968, 0.5152**, and if you desaturate by 10%, it is **65.1044, 0.3005, 0.4499**.

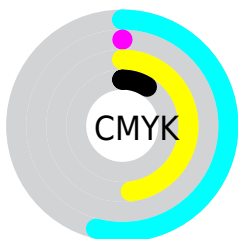
Distribution



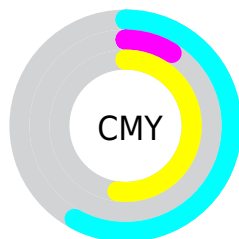
- Red (42%)
- Green (91%)
- Blue (48%)



- Red (42%)
- Yellow (86%)
- Blue (91%)



- Cyan (54%)
- Magenta (0%)
- Yellow (48%)
- Black (9%)



- Cyan (58%)
- Magenta (9%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8711, 0.2983, 0.4829 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 62.8711, 0.2983, 0.4829 by changing the saturation by 10% instead.

■ 62.8711, 0.2983,
0.4829

■ 62.8711, 0.2983,
0.4829

435.1015, 0.3089,
0.4043

■ 45.7369, 0.2946,
0.5026

■ 108.9835, 0.3029,
0.4542

■ 32.0383, 0.2894,
0.5277

■ 138.7306, 0.3044,
0.4434

■ 21.3907, 0.2815,
0.5607

■ 173.4507, 0.3056,
0.4343

■ 13.4099, 0.2689,
0.6053

213.5283, 0.3065,
0.4266

■ 7.7114, 0.2474,
0.6672

259.3478, 0.3073,
0.4198

■ 3.9109, 0.2164,
0.7836

311.2936, 0.3079,

■ 1.6238, 0.0051,

0.4140

0.9949

369.7500, 0.3084,
0.4088

0.3736, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.8711, 0.2983,
0.4829

62.8711, 0.2983,
0.4829

61.1427, 0.2968,
0.5152

65.1044, 0.3005,
0.4499

59.8725, 0.2961,
0.5444


67.8694, 0.3031,
0.4178

59.0184, 0.2963,
0.5686


71.2004, 0.3059,
0.3880

58.5268, 0.2973,
0.5859

75.1266, 0.3088,
0.3609

 58.3536, 0.2981,
0.5932

 79.6750, 0.3117,
0.3370

 84.8711, 0.3144,
0.3160

 86.7592, 0.3137,
0.3078

Harmonies

Analogous

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



62.8711, 0.3829, 0.4932



62.8711, 0.2983, 0.4829



62.8711, 0.2221, 0.4037

Triad

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



62.8711, 0.2983, 0.4829



62.8711, 0.1789, 0.2006



62.8711, 0.4718, 0.3224

Complementary

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



62.8711, 0.2983, 0.4829



33.1755, 0.3325, 0.2131

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.



62.8711, 0.3995, 0.2647



62.8711, 0.2983, 0.4829



62.8711, 0.2274, 0.1979

Square

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



62.8711, 0.2983, 0.4829



62.8711, 0.1613, 0.2338



62.8711, 0.3058, 0.2208



62.8711, 0.4901, 0.3860

Rectangle

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



62.8711, 0.2983, 0.4829



62.8711, 0.1866, 0.3357



62.8711, 0.3058, 0.2208



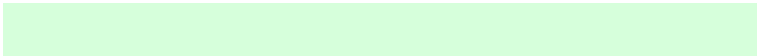
62.8711, 0.4526, 0.3022

Sweetspot

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



62.8737, 0.2983, 0.4829



90.9473, 0.3081, 0.3673



74.6573, 0.3808, 0.4622



19.2481, 0.3075, 0.3728



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.



62.8737, 0.2983, 0.4829



74.9104, 0.2967, 0.5173



64.8891, 0.2679, 0.3962



16.8894, 0.3100, 0.3506



33.1192, 0.2977, 0.5918



2.6097, 0.2928, 0.5741

Inverse Universe

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



33.1755, 0.3325, 0.2131



34.9834, 0.3372, 0.1956



30.5262, 0.4047, 0.2737



15.2832, 0.3155, 0.3083



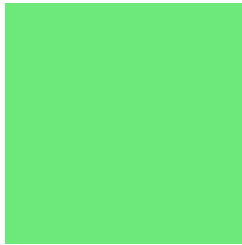
12.3987, 0.3511, 0.1708



0.9819, 0.3464, 0.1682

Previews

White Background



This preview shows how the Yxy color 62.8711, 0.2983, 0.4829 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 62.8711, 0.2983, 0.4829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

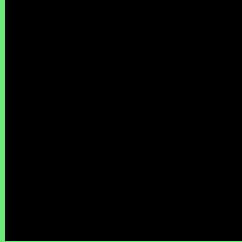
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.8711, 0.2983, 0.4829

Background



This preview shows how black text looks on a background with the Yxy color 62.8711, 0.2983, 0.4829.



This preview shows how white text looks on a background with the Yxy color 62.8711, 0.2983, 0.4829.

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

62.8711, 0.2983, 0.4829

Protanopia

61.6434, 0.3976, 0.4324

Deuteranopia

61.7109, 0.4076, 0.3984



Tritanopia

62.5103, 0.2503, 0.3067

Trichromacy



Original Color

62.8711, 0.2983, 0.4829



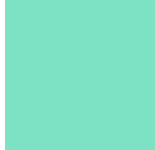
Protanomaly

60.5630, 0.3550, 0.4528



Deuteranomaly

59.6575, 0.3609, 0.4286



Tritanomaly

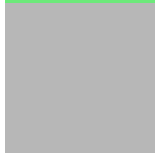
62.1959, 0.2677, 0.3672

Monochromacy



Original Color

62.8711, 0.2983, 0.4829



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

51.4144, 0.3064, 0.3839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8711, 0.2983, 0.4829 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(108, 233, 122)` looks like.

```
.text, #text, p{  
    color:rgb(108, 233, 122)  
}
```

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(108, 233, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 233, 122) }
```

Border

The CSS property to change the border of an element to Yxy 62.8711, 0.2983, 0.4829 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(108, 233, 122) }
```

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

```
.border{ border-color:rgb(108, 233, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 233, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 233, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 233, 122);  
box-shadow:4px 4px 4px 4px rgb(108, 233,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8711, 0.2983, 0.4829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 233, 122) }
```

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

```
.background{ background-color: rgb(108,  
233, 122) }
```

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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