

Converting Colors

$Yxy(60.8590, 0.2979, 0.4782)$

Have a look what the booklet for
Yxy(60.8590, 0.2979, 0.4782)
contains.

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Color

Yxy(60.6568, 0.2977, 0.4780)

Conversions

Conversions Part 1

Format	Color
Hex	6CE57B
RGB	108, 229, 123
RGB Percent	42%, 90%, 48%
CMY	0.5766, 0.1019, 0.5175
CMYK	0.53, 0.00, 0.46, 0.10
HSL	127°, 70%, 66%
HSV	127°, 53%, 90%
XYZ	37.7773, 60.6568, 28.4630
YIQ	180.7370, -38.0900, -58.6180

Conversions

Conversions Part 2

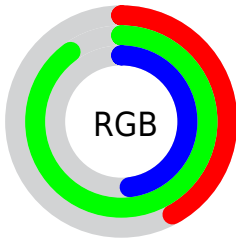
Format	Color
RYB	108, 216, 229
Decimal	7136635
CIELab	82.19, -55.63, 41.42
CIELCh	82, 69.355, 143.329
Yxy	60.6568, 0.2977, 0.4780
Android (android.graphics.Color)	4285326715 (0xFF6CE57B)
YUV	180.7370, -28.4643, -63.7903
Hunter-Lab	77.8825, -49.7121, 32.8495

Details

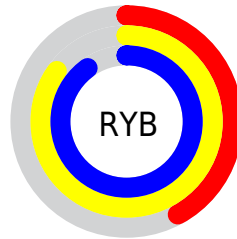
The Yxy color **60.6568, 0.2977, 0.4780** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **32.2310, 0.3338, 0.2160**, and the grayscale version is **46.2294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9098, 0.3027, 0.4209**, and **30.4652, 0.2887, 0.5211** is the 20% darker color. If you saturate the color by 10%, you get **58.9556, 0.2961, 0.5101**, and if you desaturate by 10%, it is **62.8429, 0.3000, 0.4454**.

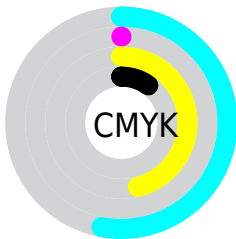
Distribution



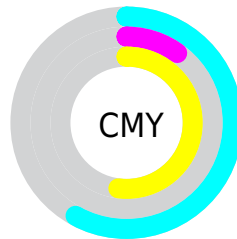
- Red (42%)
- Green (90%)
- Blue (48%)



- Red (42%)
- Yellow (85%)
- Blue (90%)



- Cyan (53%)
- Magenta (0%)
- Yellow (46%)
- Black (10%)





- Cyan (58%)
- Magenta (10%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.6568, 0.2977, 0.4780 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 60.6568, 0.2977, 0.4780 by changing the saturation by 10% instead.


 60.6568, 0.2977,
0.4780


 60.6568, 0.2977,
0.4780


427.0145, 0.3083,
0.4015


 43.9483, 0.2941,
0.4973

 105.7819, 0.3023,
0.4499

 30.6298, 0.2889,
0.5221


 134.9671, 0.3038,
0.4394

 20.3171, 0.2810,
0.5548

 169.0801, 0.3050,
0.4306

 12.6258, 0.2685,
0.5994

208.5052, 0.3059,
0.4231

 7.1714, 0.2470,
0.6620

253.6268, 0.3067,
0.4166

 3.5695, 0.2162,
0.7838

304.8293, 0.3074,

 1.4358, 0.0000,

0.4109

1.0000

362.4971, 0.3079,
0.4059

■ 0.2429, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.6568, 0.2977,
0.4780

■ 60.6568, 0.2977,
0.4780

■ 58.9556, 0.2961,
0.5101

■ 62.8429, 0.3000,
0.4454

■ 57.6952, 0.2954,
0.5397


■ 65.5391, 0.3028,
0.4140

■ 56.8363, 0.2956,
0.5645


■ 68.7776, 0.3058,
0.3848


■ 56.3288, 0.2967,
0.5829

■ 72.5861, 0.3088,
0.3585

 56.1284, 0.2977,
0.5918

 76.9902, 0.3119,
0.3351

 82.0140, 0.3148,
0.3147

 84.5223, 0.3139,
0.3039

Harmonies

Analogous

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



60.6568, 0.3807, 0.4898



60.6568, 0.2977, 0.4780



60.6568, 0.2233, 0.4002

Triad

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



60.6568, 0.2977, 0.4780



60.6568, 0.1820, 0.2029



60.6568, 0.4688, 0.3239

Complementary

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



60.6568, 0.2977, 0.4780



32.2310, 0.3338, 0.2160

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.



60.6568, 0.3989, 0.2670



60.6568, 0.2977, 0.4780



60.6568, 0.2302, 0.2006

Square

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



60.6568, 0.2977, 0.4780



60.6568, 0.1642, 0.2352



60.6568, 0.3076, 0.2234



60.6568, 0.4861, 0.3865

Rectangle

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



60.6568, 0.2977, 0.4780



60.6568, 0.1887, 0.3342



60.6568, 0.3076, 0.2234



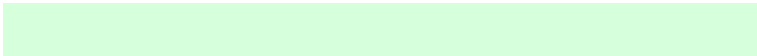
60.6568, 0.4503, 0.3040

Sweetspot

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



60.6593, 0.2977, 0.4780



90.9752, 0.3078, 0.3667



71.5542, 0.3784, 0.4611



19.2547, 0.3072, 0.3721



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.



60.6593, 0.2977, 0.4780



75.1407, 0.2960, 0.5117



62.6313, 0.2673, 0.3920



16.1182, 0.3099, 0.3502



32.0988, 0.2973, 0.5903



2.3816, 0.2917, 0.5701

Inverse Universe

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



32.2310, 0.3338, 0.2160



35.3271, 0.3389, 0.1986



29.7237, 0.4052, 0.2767



14.5827, 0.3157, 0.3087



11.9347, 0.3549, 0.1729



0.8906, 0.3492, 0.1698

Previews

White Background



This preview shows how the Yxy color 60.6568, 0.2977, 0.4780 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 60.6568, 0.2977, 0.4780 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 60.6568, 0.2977, 0.4780

Background



This preview shows how black text looks on a background with the Yxy color 60.6568, 0.2977, 0.4780.



This preview shows how white text looks on a background with the Yxy color 60.6568, 0.2977, 0.4780.

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

60.6568, 0.2977, 0.4780

Protanopia

59.6148, 0.3945, 0.4290

Deuteranopia

59.4826, 0.4041, 0.3956



Tritanopia

60.1206, 0.2509, 0.3064

Trichromacy



Original Color

60.6568, 0.2977, 0.4780



Protanomaly

58.1951, 0.3533, 0.4489



Deuteranomaly

57.8127, 0.3588, 0.4252



Tritanomaly

59.9679, 0.2681, 0.3650

Monochromacy



Original Color

60.6568, 0.2977, 0.4780



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

49.7963, 0.3056, 0.3818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.6568, 0.2977, 0.4780 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, 229, 123)` looks like.

```
.text, #text, p{  
    color:rgb(108, 229, 123)  
}
```

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, 229, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 229, 123) }
```

Border

The CSS property to change the border of an element to Yxy 60.6568, 0.2977, 0.4780 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, 229, 123) }
```

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

```
.border{ border-color:rgb(108, 229, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 229, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 229, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 229, 123);  
box-shadow:4px 4px 4px 4px rgb(108, 229,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 60.6568, 0.2977, 0.4780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 229, 123) }
```

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

```
.background{ background-color: rgb(108,  
229, 123) }
```

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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