

Converting Colors

$Yxy(60.4016, 0.2730, 0.4128)$

Have a look what the booklet for
Yxy(60.4016, 0.2730, 0.4128)
contains.

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Color

Yxy(60.6118, 0.2727, 0.4129)

Conversions

Conversions Part 1

Format	Color
Hex	67E3A7
RGB	103, 227, 167
RGB Percent	40%, 89%, 65%
CMY	0.5964, 0.1098, 0.3451
CMYK	0.55, 0.00, 0.26, 0.11
HSL	151°, 69%, 65%
HSV	151°, 55%, 89%
XYZ	40.0311, 60.6118, 46.1525
YIQ	183.0840, -54.6440, -44.9480

Conversions

Conversions Part 2

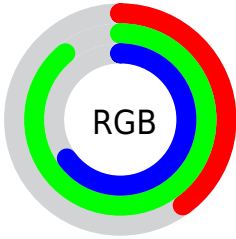
Format	Color
RYB	103, 185, 227
Decimal	6808487
CIELab	82.17, -48.35, 19.02
CIElCh	82, 51.960, 158.526
Yxy	60.6118, 0.2727, 0.4129
Android (android.graphics.Color)	4284998567 (0xFF67E3A7)
YUV	183.0840, -7.9294, -70.2337
Hunter-Lab	77.8536, -44.4619, 19.3497

Details

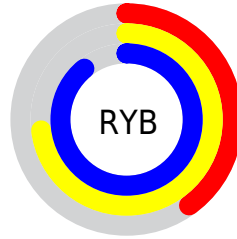
The Yxy color **60.6118, 0.2727, 0.4129** is a light color, and the websafe version is hex **33CC99**. A complement of this color would be **28.6588, 0.3933, 0.2613**, and the grayscale version is **47.4594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4753, 0.2771, 0.3667**, and **30.7209, 0.2612, 0.4373** is the 20% darker color. If you saturate the color by 10%, you get **59.0615, 0.2690, 0.4318**, and if you desaturate by 10%, it is **62.5657, 0.2780, 0.3948**.

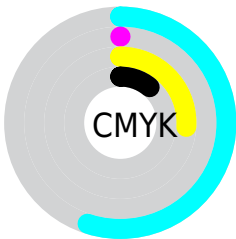
Distribution



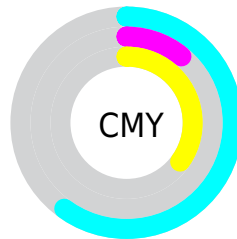
- Red (40%)
- Green (89%)
- Blue (65%)



- Red (40%)
- Yellow (73%)
- Blue (89%)



- Cyan (55%)
- Magenta (0%)
- Yellow (26%)
- Black (11%)





- Cyan (60%)
- Magenta (11%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.6118, 0.2727, 0.4129 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 60.6118, 0.2727, 0.4129 by changing the saturation by 10% instead.


 60.6118, 0.2727,
0.4129


 60.6118, 0.2727,
0.4129


426.8492, 0.2929,
0.3705


 43.9120, 0.2676,
0.4236


 105.7167, 0.2801,
0.3974


 30.6013, 0.2611,
0.4373


 134.8904, 0.2828,
0.3917

 20.2954, 0.2525,
0.4555


 168.9910, 0.2851,
0.3868

 12.6100, 0.2404,
0.4810

 208.4027, 0.2871,
0.3826

 7.1605, 0.2225,
0.5187

253.5100, 0.2889,
0.3790

 3.5627, 0.1939,
0.5794

304.6973, 0.2904,

 1.4321, 0.0600,

0.3758

0.8579

362.3489, 0.2917,
0.3730

■ 0.2402, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.6118, 0.2727,
0.4129

■ 60.6118, 0.2727,
0.4129

■ 59.0615, 0.2690,
0.4318

■ 62.5657, 0.2780,
0.3948

■ 57.8763, 0.2673,
0.4509


■ 64.9435, 0.2845,
0.3777

■ 57.0227, 0.2675,
0.4698

■ 67.7729, 0.2920,
0.3619

■ 56.4567, 0.2698,
0.4880


■ 71.0769, 0.3002,
0.3475

 56.2353, 0.2715,
0.4973

 74.8770, 0.3087,
0.3346

 79.1936, 0.3173,
0.3230

 82.7274, 0.3212,
0.3125

 83.4137, 0.3141,
0.3021

 83.4251, 0.3140,
0.3019

Harmonies

Analogous

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



60.6118, 0.3363, 0.4492



60.6118, 0.2727, 0.4129



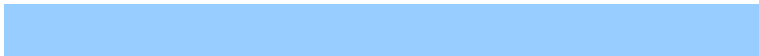
60.6118, 0.2231, 0.3462

Triad

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



60.6118, 0.2727, 0.4129



60.6118, 0.2272, 0.2265



60.6118, 0.4426, 0.3537

Complementary

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



60.6118, 0.2727, 0.4129



28.6588, 0.3933, 0.2613

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.



60.6118, 0.4078, 0.3042



60.6118, 0.2727, 0.4129



60.6118, 0.2782, 0.2346

Square

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



60.6118, 0.2727, 0.4129



60.6118, 0.1999, 0.2414



60.6118, 0.3448, 0.2622



60.6118, 0.4371, 0.4030

Rectangle

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



60.6118, 0.2727, 0.4129



60.6118, 0.2035, 0.3016



60.6118, 0.3448, 0.2622



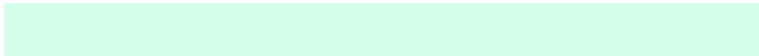
60.6118, 0.4353, 0.3368

Sweetspot

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



60.6142, 0.2727, 0.4129



91.8602, 0.2990, 0.3495



63.9184, 0.3439, 0.4839



19.4641, 0.2973, 0.3524



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.



60.6142, 0.2727, 0.4129



76.5731, 0.2686, 0.4351



63.3706, 0.2435, 0.3288



16.2129, 0.3046, 0.3406



32.8162, 0.2708, 0.4947



2.4438, 0.2635, 0.4686

Inverse Universe

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



28.6588, 0.3933, 0.2613



30.8579, 0.4208, 0.2511



26.9949, 0.4756, 0.3295



14.4835, 0.3217, 0.3177



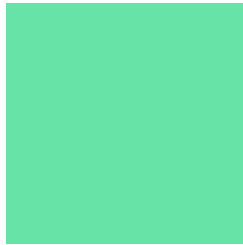
10.2011, 0.5024, 0.2541



0.7725, 0.4689, 0.2357

Previews

White Background



This preview shows how the Yxy color 60.6118, 0.2727, 0.4129 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 60.6118, 0.2727, 0.4129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

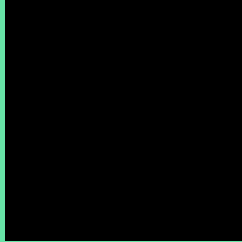
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.6118, 0.2727, 0.4129

Background



This preview shows how black text looks on a background with the Yxy color 60.6118, 0.2727, 0.4129.



This preview shows how white text looks on a background with the Yxy color 60.6118, 0.2727, 0.4129.

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

60.6118, 0.2727, 0.4129

Protanopia

59.8639, 0.3590, 0.3840

Deuteranopia

59.4098, 0.3606, 0.3526



Tritanopia

60.4099, 0.2453, 0.3062

Trichromacy



Original Color

60.6118, 0.2727, 0.4129



Protanomaly

58.8551, 0.3213, 0.3957



Deuteranomaly

58.0050, 0.3220, 0.3742



Tritanomaly

60.1291, 0.2549, 0.3420

Monochromacy



Original Color

60.6118, 0.2727, 0.4129



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

50.8912, 0.2940, 0.3589

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.6118, 0.2727, 0.4129 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(103, 227, 167)` looks like.

```
.text, #text, p{  
    color:rgb(103, 227, 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(103, 227, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 227, 167) }
```

Border

The CSS property to change the border of an element to Yxy 60.6118, 0.2727, 0.4129 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(103, 227, 167) }
```

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

```
.border{ border-color:rgb(103, 227, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 227, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 227, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 227, 167); box-shadow:4px 4px 4px 4px rgb(103, 227, 167) }
```


Background

The CSS property to change the background color of an element to Yxy 60.6118, 0.2727, 0.4129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 227, 167) }
```

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

```
.background{ background-color: rgb(103,  
227, 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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