

Converting Colors

$Yxy(63.1221, 0.2697, 0.4481)$

Have a look what the booklet for
Yxy(63.1221, 0.2697, 0.4481)
contains.

Yxy(63.0233, 0.2696, 0.4474)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.0233, 0.2696, 0.4474)

Conversions

Conversions Part 1

Format	Color
Hex	47EB98
RGB	71, 235, 152
RGB Percent	28%, 92%, 60%
CMY	0.7213, 0.0784, 0.4039
CMYK	0.70, 0.00, 0.35, 0.08
HSL	150°, 80%, 60%
HSV	150°, 70%, 92%
XYZ	37.9774, 63.0233, 39.8650
YIQ	176.5020, -71.1010, -60.5810

Conversions

Conversions Part 2

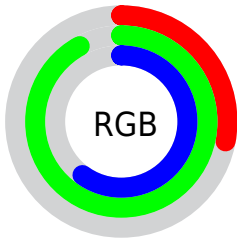
Format	Color
RYB	71, 181, 235
Decimal	4713368
CIELab	83.45, -60.41, 28.40
CIELCh	83, 66.755, 154.826
Yxy	63.0233, 0.2696, 0.4474
Android (android.graphics.Color)	4282903448 (0xFF47EB98)
YUV	176.5020, -12.0795, -92.5253
Hunter-Lab	79.3872, -53.5365, 25.7981

Details

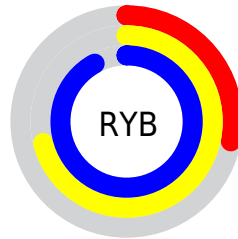
The Yxy color **63.0233, 0.2696, 0.4474** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **24.5132, 0.4237, 0.2452**, and the grayscale version is **43.7949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4283, 0.2730, 0.3866**, and **32.7609, 0.2664, 0.4790** is the 20% darker color. If you saturate the color by 10%, you get **61.9310, 0.2690, 0.4674**, and if you desaturate by 10%, it is **64.5032, 0.2721, 0.4274**.

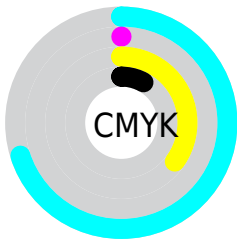
Distribution



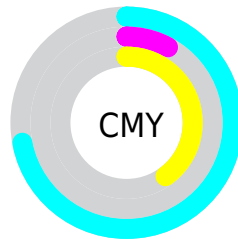
- Red (28%)
- Green (92%)
- Blue (60%)



- Red (28%)
- Yellow (71%)
- Blue (92%)



- Cyan (70%)
- Magenta (0%)
- Yellow (35%)
- Black (8%)





- Cyan (72%)
- Magenta (8%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.0233, 0.2696, 0.4474 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 63.0233, 0.2696, 0.4474 by changing the saturation by 10% instead.


 63.0233, 0.2696,
0.4474


 63.0233, 0.2696,
0.4474


435.6540, 0.2921,
0.3871

 45.8601, 0.2637,
0.4627


 109.2031, 0.2780,
0.4253

 32.1354, 0.2561,
0.4823


 138.9885, 0.2811,
0.4170

 21.4649, 0.2458,
0.5084


 173.7500, 0.2837,
0.4101

 13.4643, 0.2311,
0.5447


 213.8721, 0.2859,
0.4041

 7.7490, 0.2091,
0.5978

259.7392, 0.2878,
0.3990

 3.9348, 0.1734,
0.6809

311.7356, 0.2894,

 1.6371, 0.0000,

0.3945

1.0000

370.2458, 0.2909,
0.3906

■ 0.3824, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.0233, 0.2696,
0.4474

■ 63.0233, 0.2696,
0.4474

■ 61.9310, 0.2690,
0.4674

■ 64.5032, 0.2721,
0.4274

■ 61.1755, 0.2705,
0.4868


■ 66.3996, 0.2764,
0.4078

■ 60.6883, 0.2737,
0.5050


■ 68.7472, 0.2821,
0.3892


■ 60.6779, 0.2737,
0.5055


■ 71.5747, 0.2890,
0.3719

 74.9085, 0.2966,
0.3560

 78.7730, 0.3046,
0.3416

 83.1910, 0.3129,
0.3287

 87.4038, 0.3185,
0.3172

 87.8968, 0.3136,
0.3097

Harmonies

Analogous

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



63.0233, 0.3486, 0.4850



63.0233, 0.2696, 0.4474



63.0233, 0.2067, 0.3607

Triad

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



63.0233, 0.2696, 0.4474



63.0233, 0.2017, 0.2041



63.0233, 0.4742, 0.3477

Complementary

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



63.0233, 0.2696, 0.4474



24.5132, 0.4237, 0.2452

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.



63.0233, 0.4246, 0.2898



63.0233, 0.2696, 0.4474



63.0233, 0.2595, 0.2115

Square

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



63.0233, 0.2696, 0.4474



63.0233, 0.1732, 0.2239



63.0233, 0.3413, 0.2418



63.0233, 0.4707, 0.4085

Rectangle

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



63.0233, 0.2696, 0.4474



63.0233, 0.1814, 0.3015



63.0233, 0.3413, 0.2418



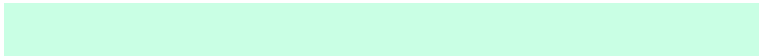
63.0233, 0.4632, 0.3278

Sweetspot

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



63.0258, 0.2696, 0.4474



89.5950, 0.2955, 0.3580



66.9174, 0.3478, 0.5229



18.9304, 0.2934, 0.3623



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.



63.0258, 0.2696, 0.4474



74.0795, 0.2695, 0.4765



66.6005, 0.2341, 0.3323



16.9861, 0.3049, 0.3412



33.7957, 0.2730, 0.5026



2.6732, 0.2659, 0.4771

Inverse Universe

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



24.5132, 0.4237, 0.2452



25.0104, 0.4593, 0.2420



22.6693, 0.5451, 0.3274



15.1813, 0.3214, 0.3171



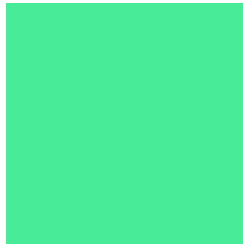
10.5968, 0.4929, 0.2489



0.8515, 0.4626, 0.2322

Previews

White Background



This preview shows how the Yxy color 63.0233, 0.2696, 0.4474 looks on a white background.

Color Contrast Check

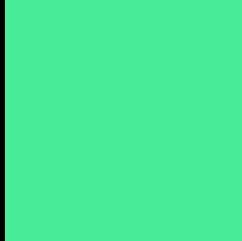
Large Text (above 18pt) WCAG AA × Fail

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 63.0233, 0.2696, 0.4474 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 63.0233, 0.2696, 0.4474

Background



This preview shows how black text looks on a background with the Yxy color 63.0233, 0.2696, 0.4474.

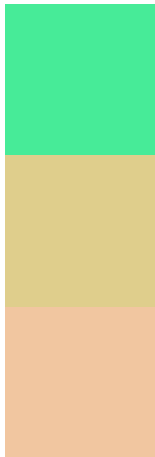


This preview shows how white text looks on a background with the Yxy color 63.0233, 0.2696, 0.4474.

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

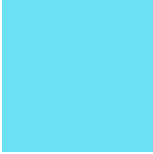
63.0233, 0.2696, 0.4474

Protanopia

61.7240, 0.3749, 0.4043

Deuteranopia

61.6270, 0.3778, 0.3706



Tritanopia

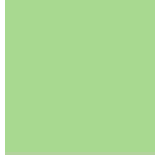
62.7863, 0.2372, 0.3063

Trichromacy



Original Color

63.0233, 0.2696, 0.4474



Protanomaly

59.9642, 0.3251, 0.4238



Deuteranomaly

58.6066, 0.3258, 0.3980



Tritanomaly

62.4174, 0.2483, 0.3541

Monochromacy



Original Color

63.0233, 0.2696, 0.4474



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

48.6186, 0.2886, 0.3717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.0233, 0.2696, 0.4474 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(71, 235, 152)` looks like.

```
.text, #text, p{  
    color:rgb(71, 235, 152)  
}
```

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(71, 235, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 235, 152) }
```

Border

The CSS property to change the border of an element to Yxy 63.0233, 0.2696, 0.4474 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(71, 235, 152) }
```

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

```
.border{ border-color:rgb(71, 235, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 235, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 235, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 235, 152);  
box-shadow:4px 4px 4px 4px rgb(71, 235,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 63.0233, 0.2696, 0.4474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 235, 152) }
```

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

```
.background{ background-color: rgb(71, 235,  
152) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor