

Converting Colors

$Yxy(63.6613, 0.2672, 0.4653)$

Have a look what the booklet for
Yxy(63.6613, 0.2672, 0.4653)
contains.

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Color

Yxy(63.6549, 0.2670, 0.4648)

Conversions

Conversions Part 1

Format	Color
Hex	2AEE90
RGB	42, 238, 144
RGB Percent	16%, 93%, 56%
CMY	0.8347, 0.0667, 0.4354
CMYK	0.82, 0.00, 0.40, 0.07
HSL	151°, 85%, 55%
HSV	151°, 82%, 93%
XYZ	36.5660, 63.6549, 36.7303
YIQ	168.6800, -86.6420, -70.7860

Conversions

Conversions Part 2

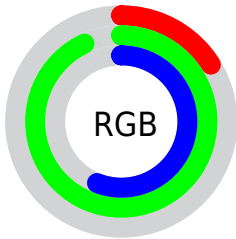
Format	Color
RYB	42, 171, 238
Decimal	2813584
CIELab	83.79, -66.46, 32.82
CIELCh	84, 74.123, 153.720
Yxy	63.6549, 0.2670, 0.4648
Android (android.graphics.Color)	4281003664 (0xFF2AEE90)
YUV	168.6800, -12.1672, -111.0984
Hunter-Lab	79.7840, -57.8134, 28.5534

Details

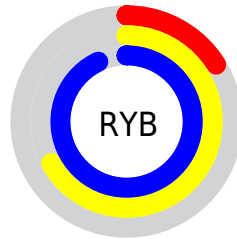
The Yxy color **63.6549, 0.2670, 0.4648** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **21.6279, 0.4630, 0.2469**, and the grayscale version is **39.6264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7811, 0.2699, 0.3980**, and **33.8205, 0.2716, 0.4977** is the 20% darker color. If you saturate the color by 10%, you get **62.9620, 0.2688, 0.4831**, and if you desaturate by 10%, it is **64.6860, 0.2672, 0.4459**.

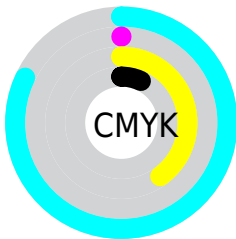
Distribution



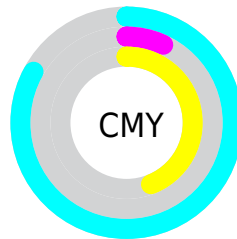
- Red (16%)
- Green (93%)
- Blue (56%)



- Red (16%)
- Yellow (67%)
- Blue (93%)



- Cyan (82%)
- Magenta (0%)
- Yellow (40%)
- Black (7%)




- Cyan (83%)
- Magenta (7%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.6549, 0.2670, 0.4648 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 63.6549, 0.2670, 0.4648 by changing the saturation by 10% instead.


 63.6549, 0.2670,
0.4648

 63.6549, 0.2670,
0.4648

437.9424, 0.2913,
0.3952


 46.3712, 0.2605,
0.4824


 110.1138, 0.2761,
0.4393


 32.5389, 0.2521,
0.5051


 140.0578, 0.2795,
0.4297

 21.7734, 0.2406,
0.5353


 174.9907, 0.2823,
0.4217

 13.6905, 0.2241,
0.5770

 215.2969, 0.2847,
0.4149

 7.9057, 0.1992,
0.6373

 261.3607, 0.2867,
0.4090

 4.0347, 0.1605,
0.7351

313.5667, 0.2884,

 1.6930, 0.0000,

0.4038

1.0000

372.2991, 0.2900,
0.3993

■ 0.4191, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.6549, 0.2670,
0.4648

■ 63.6549, 0.2670,
0.4648

■ 62.9620, 0.2688,
0.4831


■ 64.6860, 0.2672,
0.4459

■ 62.5974, 0.2713,
0.4966


■ 66.0945, 0.2695,
0.4268

■ 67.9218, 0.2735,
0.4082


■ 70.2020, 0.2792,
0.3903

 72.9653, 0.2860,
0.3736

 76.2394, 0.2938,
0.3582

 80.0498, 0.3021,
0.3442

 84.4202, 0.3107,
0.3317

 89.1133, 0.3185,
0.3205

Harmonies

Analogous

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



63.6549, 0.3531, 0.5024



63.6549, 0.2670, 0.4648



63.6549, 0.1982, 0.3673

Triad

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



63.6549, 0.2670, 0.4648



63.6549, 0.1902, 0.1936



63.6549, 0.4898, 0.3448

Complementary

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



63.6549, 0.2670, 0.4648



21.6279, 0.4630, 0.2469

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.



63.6549, 0.4334, 0.2833



63.6549, 0.2670, 0.4648



63.6549, 0.2511, 0.2008

Square

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



63.6549, 0.2670, 0.4648



63.6549, 0.1611, 0.2151



63.6549, 0.3401, 0.2325



63.6549, 0.4863, 0.4104

Rectangle

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



63.6549, 0.2670, 0.4648



63.6549, 0.1707, 0.3006



63.6549, 0.3401, 0.2325



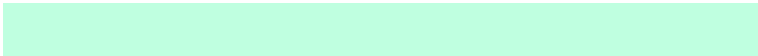
63.6549, 0.4773, 0.3236

Sweetspot

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



63.6575, 0.2670, 0.4648



88.0318, 0.2915, 0.3624



66.6205, 0.3418, 0.5515



18.5515, 0.2888, 0.3678



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.



63.6575, 0.2670, 0.4648



73.2516, 0.2711, 0.4955



65.9345, 0.2266, 0.3246



17.7936, 0.3045, 0.3406



34.9493, 0.2705, 0.4939



2.9276, 0.2640, 0.4705

Inverse Universe

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



21.6279, 0.4630, 0.2469



22.7647, 0.5062, 0.2567



20.2551, 0.5998, 0.3316



15.8853, 0.3218, 0.3177



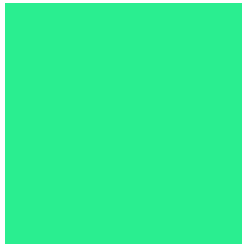
10.8482, 0.5042, 0.2551



0.9225, 0.4737, 0.2383

Previews

White Background



This preview shows how the Yxy color 63.6549, 0.2670, 0.4648 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 63.6549, 0.2670, 0.4648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

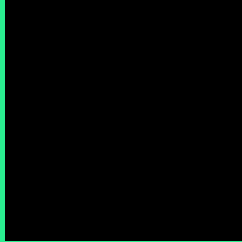
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

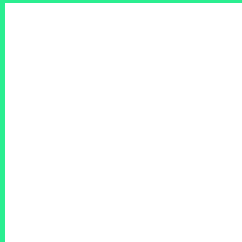
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.6549, 0.2670, 0.4648

Background



This preview shows how black text looks on a background with the Yxy color 63.6549, 0.2670, 0.4648.

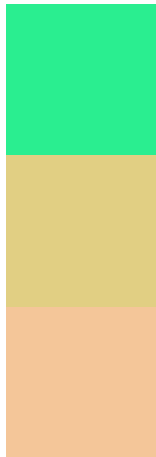


This preview shows how white text looks on a background with the Yxy color 63.6549, 0.2670, 0.4648.

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

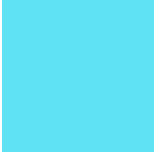
63.6549, 0.2670, 0.4648

Protanopia

62.2719, 0.3826, 0.4146

Deuteranopia

61.9212, 0.3859, 0.3777



Tritanopia

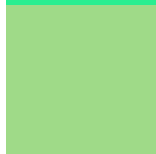
63.3040, 0.2329, 0.3062

Trichromacy



Original Color

63.6549, 0.2670, 0.4648



Protanomaly

59.2913, 0.3233, 0.4375



Deuteranomaly

58.4484, 0.3240, 0.4109



Tritanomaly

62.6436, 0.2437, 0.3585

Monochromacy



Original Color

63.6549, 0.2670, 0.4648



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

45.3326, 0.2832, 0.3798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6549, 0.2670, 0.4648 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(42, 238, 144)` looks like.

```
.text, #text, p{  
    color:rgb(42, 238, 144)  
}
```

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(42, 238, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 238, 144) }
```

Border

The CSS property to change the border of an element to Yxy 63.6549, 0.2670, 0.4648 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(42, 238, 144) }
```

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

```
.border{ border-color:rgb(42, 238, 144) }
```

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

Here you see how a box with a 4 pixel rgb(42, 238, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 238, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 238, 144);  
box-shadow:4px 4px 4px 4px rgb(42, 238,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6549, 0.2670, 0.4648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 238, 144) }
```

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

```
.background{ background-color: rgb(42, 238,  
144) }
```

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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