

Converting Colors

$Yxy(63.8019, 0.2713, 0.4589)$

Have a look what the booklet for
Yxy(63.8019, 0.2713, 0.4589)
contains.

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Color

Yxy(63.8019, 0.2713, 0.4589)

Conversions

Conversions Part 1

Format	Color
Hex	42ED92
RGB	66, 237, 146
RGB Percent	26%, 93%, 57%
CMY	0.7410, 0.0706, 0.4275
CMYK	0.72, 0.00, 0.38, 0.07
HSL	148°, 83%, 59%
HSV	148°, 72%, 93%
XYZ	37.7194, 63.8019, 37.5109
YIQ	175.4970, -72.7050, -64.5530

Conversions

Conversions Part 2

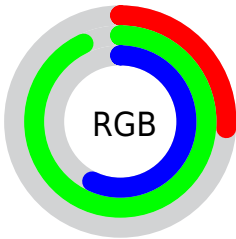
Format	Color
RYB	66, 182, 237
Decimal	4386194
CIELab	83.86, -63.01, 31.97
CIELCh	84, 70.656, 153.096
Yxy	63.8019, 0.2713, 0.4589
Android (android.graphics.Color)	4282576274 (0xFF42ED92)
YUV	175.4970, -14.5420, -96.0289
Hunter-Lab	79.8761, -55.4911, 28.0699

Details

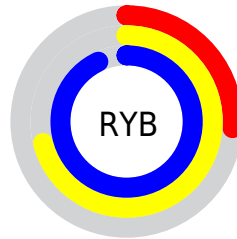
The Yxy color **63.8019, 0.2713, 0.4589** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **24.3426, 0.4226, 0.2394**, and the grayscale version is **43.2517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.8879, 0.2745, 0.3944**, and **33.4507, 0.2702, 0.4929** is the 20% darker color. If you saturate the color by 10%, you get **62.7730, 0.2714, 0.4797**, and if you desaturate by 10%, it is **65.2201, 0.2732, 0.4378**.

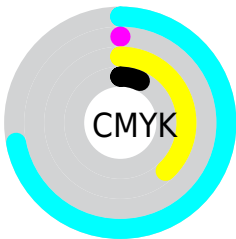
Distribution



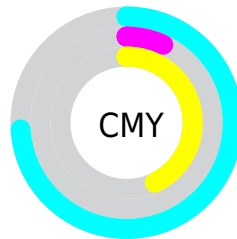
- Red (26%)
- Green (93%)
- Blue (57%)



- Red (26%)
- Yellow (71%)
- Blue (93%)



- Cyan (72%)
- Magenta (0%)
- Yellow (38%)
- Black (7%)





- Cyan (74%)
- Magenta (7%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.8019, 0.2713, 0.4589 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 63.8019, 0.2713, 0.4589 by changing the saturation by 10% instead.


 63.8019, 0.2713,
0.4589

 63.8019, 0.2713,
0.4589

438.4739, 0.2934,
0.3926


 46.4902, 0.2654,
0.4757

 110.3256, 0.2796,
0.4346


 32.6329, 0.2577,
0.4972


 140.3064, 0.2827,
0.4255

 21.8453, 0.2472,
0.5259


 175.2791, 0.2852,
0.4179

 13.7433, 0.2321,
0.5655

 215.6280, 0.2873,
0.4113

 7.9423, 0.2091,
0.6229

261.7375, 0.2892,
0.4057

 4.0581, 0.1725,
0.7146

313.9921, 0.2908,

 1.7061, 0.0000,

0.4007

1.0000

372.7761, 0.2922,
0.3964

■ 0.4276, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.8019, 0.2713,
0.4589

■ 63.8019, 0.2713,
0.4589

■ 62.7730, 0.2714,
0.4797

■ 65.2201, 0.2732,
0.4378


■ 62.0792, 0.2735,
0.4996

■ 67.0587, 0.2769,
0.4170


■ 61.7139, 0.2762,
0.5142


■ 69.3542, 0.2820,
0.3971


■ 72.1369, 0.2883,
0.3784

 75.4345, 0.2955,
0.3613

 79.2724, 0.3031,
0.3457

 83.6745, 0.3110,
0.3318

 88.5411, 0.3185,
0.3194

 89.0502, 0.3135,
0.3117

Harmonies

Analogous

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



63.8019, 0.3542, 0.4939



63.8019, 0.2713, 0.4589



63.8019, 0.2044, 0.3679

Triad

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



63.8019, 0.2713, 0.4589



63.8019, 0.1942, 0.1989



63.8019, 0.4811, 0.3439

Complementary

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



63.8019, 0.2713, 0.4589



24.3426, 0.4226, 0.2394

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.



63.8019, 0.4262, 0.2844



63.8019, 0.2713, 0.4589



63.8019, 0.2524, 0.2053

Square

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



63.8019, 0.2713, 0.4589



63.8019, 0.1665, 0.2208



63.8019, 0.3372, 0.2355



63.8019, 0.4798, 0.4072

Rectangle

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



63.8019, 0.2713, 0.4589



63.8019, 0.1770, 0.3044



63.8019, 0.3372, 0.2355



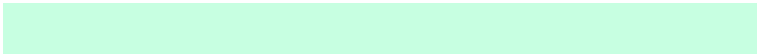
63.8019, 0.4687, 0.3234

Sweetspot

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



63.8045, 0.2713, 0.4589



89.0918, 0.2955, 0.3612



68.1543, 0.3497, 0.5271



18.8290, 0.2935, 0.3657



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.



63.8045, 0.2713, 0.4589



73.6486, 0.2722, 0.4902



67.5166, 0.2340, 0.3361



16.9794, 0.3052, 0.3418



33.7185, 0.2754, 0.5113



2.6670, 0.2680, 0.4849

Inverse Universe

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



24.3426, 0.4226, 0.2394



24.5992, 0.4573, 0.2374



22.3706, 0.5528, 0.3251



15.1881, 0.3210, 0.3165



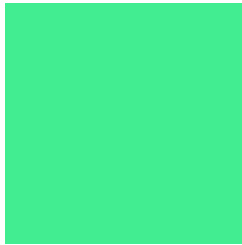
10.6816, 0.4819, 0.2428



0.8582, 0.4535, 0.2272

Previews

White Background



This preview shows how the Yxy color 63.8019, 0.2713, 0.4589 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 63.8019, 0.2713, 0.4589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

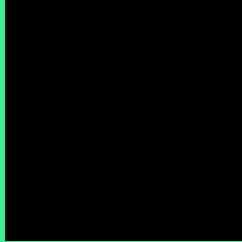
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.8019, 0.2713, 0.4589

Background



This preview shows how black text looks on a background with the Yxy color 63.8019, 0.2713, 0.4589.

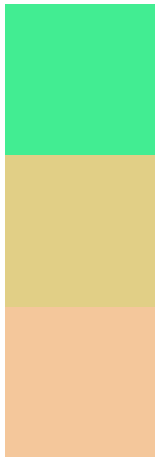


This preview shows how white text looks on a background with the Yxy color 63.8019, 0.2713, 0.4589.

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

63.8019, 0.2713, 0.4589

Protanopia

62.3544, 0.3805, 0.4114

Deuteranopia

62.4465, 0.3839, 0.3766



Tritanopia

63.3853, 0.2363, 0.3052

Trichromacy



Original Color

63.8019, 0.2713, 0.4589



Protanomaly

60.1933, 0.3279, 0.4329



Deuteranomaly

59.4392, 0.3288, 0.4067



Tritanomaly

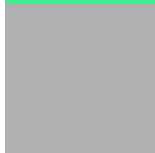
62.8168, 0.2484, 0.3569

Monochromacy



Original Color

63.8019, 0.2713, 0.4589



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

48.3390, 0.2891, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8019, 0.2713, 0.4589 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(66, 237, 146)` looks like.

```
.text, #text, p{  
    color:rgb(66, 237, 146)  
}
```

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(66, 237, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 237, 146) }
```

Border

The CSS property to change the border of an element to Yxy 63.8019, 0.2713, 0.4589 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(66, 237, 146) }
```

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

```
.border{ border-color:rgb(66, 237, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 237, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 237, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 237, 146);  
box-shadow:4px 4px 4px 4px rgb(66, 237,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8019, 0.2713, 0.4589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 237, 146) }
```

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

```
.background{ background-color: rgb(66, 237,  
146) }
```

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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