

Converting Colors

Yxy(62.9634, 0.2690, 0.4837)

Have a look what the booklet for
Yxy(62.9634, 0.2690, 0.4837)
contains.

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Color

Yxy(62.9535, 0.2691, 0.4839)

Conversions

Conversions Part 1

Format	Color
Hex	13EE84
RGB	19, 238, 132
RGB Percent	7%, 93%, 52%
CMY	0.9251, 0.0667, 0.4824
CMYK	0.92, 0.00, 0.45, 0.07
HSL	151°, 87%, 50%
HSV	151°, 92%, 93%
XYZ	35.0089, 62.9535, 32.1337
YIQ	160.4350, -96.4980, -79.3940

Conversions

Conversions Part 2

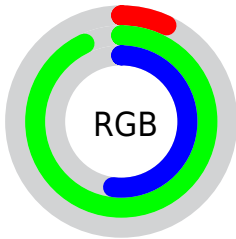
Format	Color
R_{YB}	19, 163, 238
Decimal	1306244
CIE _{Lab}	83.42, -70.11, 38.25
CIE _{LCh}	83, 79.869, 151.383
Yxy	62.9535, 0.2691, 0.4839
Android (android.graphics.Color)	4279496324 (0xFF13EE84)
YUV	160.4350, -14.0185, -124.0385
Hunter-Lab	79.3432, -60.0906, 31.5280

Details

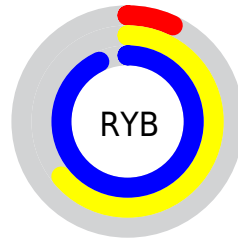
The Yxy color **62.9535, 0.2691, 0.4839** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **20.1299, 0.4865, 0.2498**, and the grayscale version is **35.4789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6426, 0.2726, 0.4158**, and **33.2366, 0.2769, 0.5169** is the 20% darker color. If you saturate the color by 10%, you get **62.5746, 0.2717, 0.4980**, and if you desaturate by 10%, it is **63.6611, 0.2673, 0.4654**.

Distribution



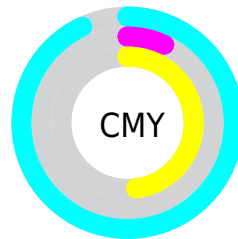
- Red (7%)
- Green (93%)
- Blue (52%)



- Red (7%)
- Yellow (64%)
- Blue (93%)



- Cyan (92%)
- Magenta (0%)
- Yellow (45%)
- Black (7%)





- Cyan (93%)
- Magenta (7%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.9535, 0.2691, 0.4839 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 62.9535, 0.2691, 0.4839 by changing the saturation by 10% instead.


 62.9535, 0.2691,
0.4839


 62.9535, 0.2691,
0.4839


435.4007, 0.2933,
0.4040

 45.8036, 0.2624,
0.5042


 109.1024, 0.2784,
0.4545

 32.0909, 0.2535,
0.5304


 138.8702, 0.2818,
0.4435

 21.4309, 0.2411,
0.5651


 173.6128, 0.2845,
0.4343

 13.4393, 0.2231,
0.6128

 213.7145, 0.2868,
0.4265

 7.7318, 0.1953,
0.6807

 259.5597, 0.2888,
0.4197

 3.9238, 0.1560,
0.8133


311.5329, 0.2905,

 1.6310, 0.0000,


0.4138


1.0000

370.0185, 0.2920,
0.4086


 0.3784, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 62.9535, 0.2691,
0.4839

 62.9535, 0.2691,
0.4839


 62.5746, 0.2717,
0.4980

 63.6611, 0.2673,
0.4654


 64.7015, 0.2676,
0.4463

 66.1236, 0.2698,
0.4271

 67.9664, 0.2739,
0.4083

 70.2635, 0.2796,
0.3904

 73.0454, 0.2864,
0.3735

 76.3395, 0.2942,
0.3580

 80.1714, 0.3024,
0.3440

 84.5646, 0.3110,
0.3313

Harmonies

Analogous

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



62.9535, 0.3611, 0.5161



62.9535, 0.2691, 0.4839



62.9535, 0.1941, 0.3791

Triad

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



62.9535, 0.2691, 0.4839



62.9535, 0.1786, 0.1854



62.9535, 0.5012, 0.3386

Complementary

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



62.9535, 0.2691, 0.4839



20.1299, 0.4865, 0.2498

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.



62.9535, 0.4360, 0.2748



62.9535, 0.2691, 0.4839



62.9535, 0.2400, 0.1913

Square

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



62.9535, 0.2691, 0.4839



62.9535, 0.1507, 0.2099



62.9535, 0.3335, 0.2227



62.9535, 0.5008, 0.4076

Rectangle

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



62.9535, 0.2691, 0.4839



62.9535, 0.1636, 0.3049



62.9535, 0.3335, 0.2227



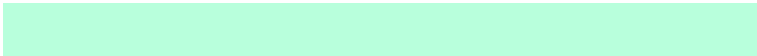
62.9535, 0.4863, 0.3166

Sweetspot

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



62.9560, 0.2691, 0.4839



86.8509, 0.2893, 0.3674



65.8300, 0.3399, 0.5639



18.2512, 0.2861, 0.3743



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.



62.9560, 0.2691, 0.4839



73.1727, 0.2718, 0.4986



67.4634, 0.2255, 0.3287



17.7925, 0.3046, 0.3407



34.9357, 0.2709, 0.4953



2.9264, 0.2644, 0.4718

Inverse Universe

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



20.1299, 0.4865, 0.2498



22.7022, 0.5069, 0.2566



18.6940, 0.6286, 0.3299



15.8864, 0.3217, 0.3176



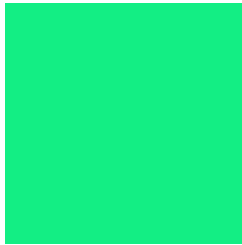
10.8607, 0.5025, 0.2542



0.9235, 0.4722, 0.2375

Previews

White Background



This preview shows how the Yxy color 62.9535, 0.2691, 0.4839 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 62.9535, 0.2691, 0.4839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

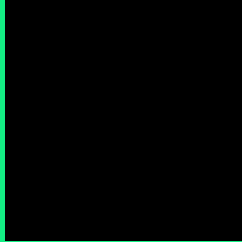
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.9535, 0.2691, 0.4839

Background



This preview shows how black text looks on a background with the Yxy color 62.9535, 0.2691, 0.4839.

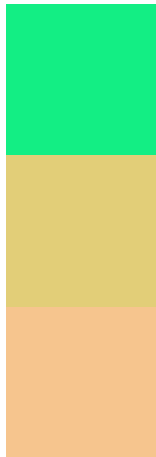


This preview shows how white text looks on a background with the Yxy color 62.9535, 0.2691, 0.4839.

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

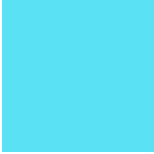
62.9535, 0.2691, 0.4839

Protanopia

61.6674, 0.3914, 0.4248

Deuteranopia

61.4783, 0.3966, 0.3879



Tritanopia

62.4952, 0.2318, 0.3061

Trichromacy



Original Color

62.9535, 0.2691, 0.4839



Protanomaly

58.1774, 0.3246, 0.4554



Deuteranomaly

56.7085, 0.3259, 0.4275



Tritanomaly

61.9954, 0.2430, 0.3658

Monochromacy



Original Color

62.9535, 0.2691, 0.4839



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

41.4197, 0.2798, 0.3889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.9535, 0.2691, 0.4839 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(19, 238, 132)` looks like.

```
.text, #text, p{  
    color:rgb(19, 238, 132)  
}
```

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(19, 238, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 238, 132) }
```

Border

The CSS property to change the border of an element to Yxy 62.9535, 0.2691, 0.4839 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(19, 238, 132) }
```

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

```
.border{ border-color:rgb(19, 238, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 238, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 238, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 238, 132);  
box-shadow:4px 4px 4px 4px rgb(19, 238,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 62.9535, 0.2691, 0.4839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 238, 132) }
```

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

```
.background{ background-color: rgb(19, 238,  
132) }
```

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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