

Converting Colors

$Yxy(60.6342, 0.2831, 0.5270)$

Have a look what the booklet for
Yxy(60.6342, 0.2831, 0.5270)
contains.

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Color

Yxy(60.6246, 0.2832, 0.5273)

Conversions

Conversions Part 1

Format	Color
Hex	20EB63
RGB	32, 235, 99
RGB Percent	13%, 92%, 39%
CMY	0.8738, 0.0784, 0.6118
CMYK	0.86, 0.00, 0.58, 0.08
HSL	140°, 84%, 52%
HSV	140°, 86%, 92%
XYZ	32.5600, 60.6246, 21.7871
YIQ	158.7990, -77.3320, -85.3320

Conversions

Conversions Part 2

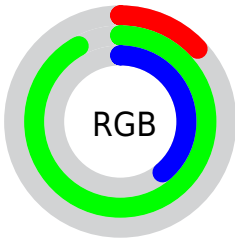
Format	Color
RYB	32, 185, 235
Decimal	2157411
CIELab	82.18, -73.32, 52.29
CIELCh	82, 90.058, 144.505
Yxy	60.6246, 0.2832, 0.5273
Android (android.graphics.Color)	4280347491 (0xFF20EB63)
YUV	158.7990, -29.4809, -111.2027
Hunter-Lab	77.8618, -61.6136, 37.9128

Details

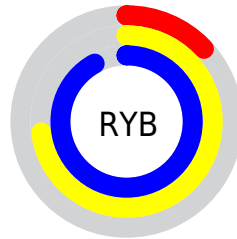
The Yxy color **60.6246, 0.2832, 0.5273** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **21.5398, 0.4085, 0.2101**, and the grayscale version is **34.7646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6715, 0.2895, 0.4591**, and **31.6337, 0.2915, 0.5693** is the 20% darker color. If you saturate the color by 10%, you get **60.1005, 0.2862, 0.5480**, and if you desaturate by 10%, it is **61.4802, 0.2818, 0.5036**.

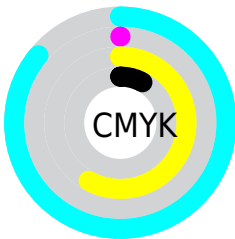
Distribution



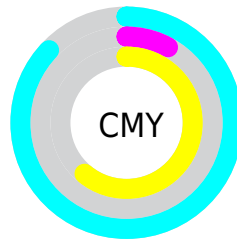
- Red (13%)
- Green (92%)
- Blue (39%)



- Red (13%)
- Yellow (73%)
- Blue (92%)



- Cyan (86%)
- Magenta (0%)
- Yellow (58%)
- Black (8%)





- Cyan (87%)
- Magenta (8%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.6246, 0.2832, 0.5273 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 60.6246, 0.2832, 0.5273 by changing the saturation by 10% instead.


 60.6246, 0.2832,
0.5273


 60.6246, 0.2832,
0.5273


426.8962, 0.3034,
0.4241


 43.9223, 0.2765,
0.5534


 105.7352, 0.2918,
0.4893


 30.6094, 0.2670,
0.5866


 134.9123, 0.2946,
0.4752


 20.3016, 0.2530,
0.6297


 169.0164, 0.2969,
0.4633

 12.6145, 0.2313,
0.6867

 208.4319, 0.2987,
0.4531

 7.1636, 0.1997,
0.7761

 253.5432, 0.3002,
0.4443

 3.5646, 0.1323,
0.8677

304.7348, 0.3014,

 1.4331, 0.0000,

0.4367

1.0000

362.3910, 0.3025,
0.4300

■ 0.2410, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.6246, 0.2832,
0.5273

■ 60.6246, 0.2832,
0.5273

■ 60.1005, 0.2862,
0.5480


■ 61.4802, 0.2818,
0.5036


■ 59.9578, 0.2875,
0.5549


■ 62.7121, 0.2822,
0.4781


■ 64.3652, 0.2842,
0.4519

■ 66.4760, 0.2876,
0.4261

 69.0768, 0.2921,
0.4016

 72.1969, 0.2973,
0.3788

 75.8634, 0.3031,
0.3581

 80.1014, 0.3090,
0.3396

 84.9343, 0.3149,
0.3232

Harmonies

Analogous

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



60.6246, 0.3852, 0.5348



60.6246, 0.2832, 0.5273



60.6246, 0.1942, 0.4173

Triad

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



60.6246, 0.2832, 0.5273



60.6246, 0.1543, 0.1727



60.6246, 0.5161, 0.3193

Complementary

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



60.6246, 0.2832, 0.5273



21.5398, 0.4085, 0.2101

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.



60.6246, 0.4276, 0.2528



60.6246, 0.2832, 0.5273



60.6246, 0.2118, 0.1729

Square

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



60.6246, 0.2832, 0.5273



60.6246, 0.1321, 0.2064



60.6246, 0.3084, 0.2009



60.6246, 0.5294, 0.3927

Rectangle

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



60.6246, 0.2832, 0.5273



60.6246, 0.1554, 0.3268



60.6246, 0.3084, 0.2009



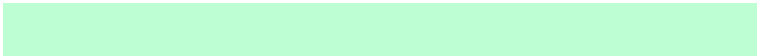
60.6246, 0.4938, 0.2962

Sweetspot

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



60.6271, 0.2832, 0.5273



86.9805, 0.2974, 0.3784



68.1544, 0.3680, 0.5369



18.3212, 0.2955, 0.3861



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.



60.6271, 0.2832, 0.5273



72.1600, 0.2877, 0.5557



63.7952, 0.2413, 0.3802



16.9440, 0.3071, 0.3452



33.3905, 0.2867, 0.5520



2.6391, 0.2789, 0.5241

Inverse Universe

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



21.5398, 0.4085, 0.2101



24.2005, 0.4284, 0.2133



19.1396, 0.5739, 0.3062



15.2245, 0.3188, 0.3133



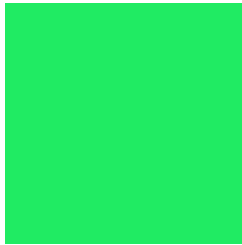
11.2205, 0.4256, 0.2118



0.8987, 0.4075, 0.2018

Previews

White Background



This preview shows how the Yxy color 60.6246, 0.2832, 0.5273 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 60.6246, 0.2832, 0.5273 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 60.6246, 0.2832, 0.5273

Background



This preview shows how black text looks on a background with the Yxy color 60.6246, 0.2832, 0.5273.

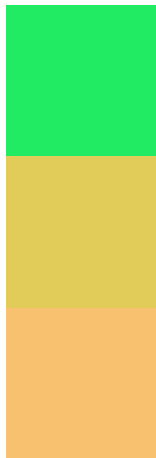


This preview shows how white text looks on a background with the Yxy color 60.6246, 0.2832, 0.5273.

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

60.6246, 0.2832, 0.5273

Protanopia

59.4407, 0.4116, 0.4513

Deuteranopia

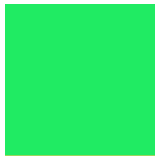
59.0618, 0.4228, 0.4141



Tritanopia

60.4273, 0.2349, 0.3071

Trichromacy



Original Color

60.6246, 0.2832, 0.5273



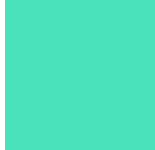
Protanomaly

56.3598, 0.3452, 0.4888



Deuteranomaly

54.6083, 0.3510, 0.4611



Tritanomaly

59.3970, 0.2515, 0.3839

Monochromacy



Original Color

60.6246, 0.2832, 0.5273



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

40.8575, 0.2910, 0.4087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.6246, 0.2832, 0.5273 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(32, 235, 99)` looks like.

```
.text, #text, p{  
    color:rgb(32, 235, 99)  
}
```

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(32, 235, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 235, 99) }
```

Border

The CSS property to change the border of an element to Yxy 60.6246, 0.2832, 0.5273 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(32, 235, 99) }
```

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

```
.border{ border-color:rgb(32, 235, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 235, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 235, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 235, 99);  
box-shadow:4px 4px 4px 4px rgb(32, 235,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 60.6246, 0.2832, 0.5273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 235, 99) }
```

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

```
.background{ background-color: rgb(32, 235,  
99) }
```

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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