

Converting Colors

$Yxy(65.3706, 0.2681, 0.4704)$

Have a look what the booklet for
Yxy(65.3706, 0.2681, 0.4704)
contains.

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Color

Yxy(65.3147, 0.2682, 0.4707)

Conversions

Conversions Part 1

Format	Color
Hex	28F18E
RGB	40, 241, 142
RGB Percent	16%, 95%, 56%
CMY	0.8426, 0.0549, 0.4432
CMYK	0.83, 0.00, 0.41, 0.05
HSL	150°, 88%, 55%
HSV	150°, 83%, 95%
XYZ	37.2156, 65.3147, 36.2304
YIQ	169.6150, -88.0170, -73.4010

Conversions

Conversions Part 2

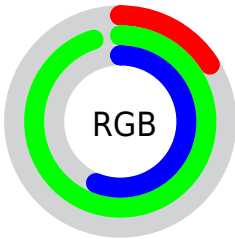
Format	Color
RYB	40, 173, 241
Decimal	2683278
CIELab	84.65, -68.03, 34.94
CIELCh	85, 76.474, 152.817
Yxy	65.3147, 0.2682, 0.4707
Android (android.graphics.Color)	4280873358 (0xFF28F18E)
YUV	169.6150, -13.6142, -113.6724
Hunter-Lab	80.8175, -59.2332, 29.9926

Details

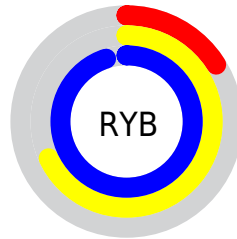
The Yxy color **65.3147, 0.2682, 0.4707** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **22.0961, 0.4616, 0.2445**, and the grayscale version is **40.1190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6888, 0.2708, 0.4006**, and **34.6052, 0.2732, 0.5034** is the 20% darker color. If you saturate the color by 10%, you get **64.6359, 0.2703, 0.4893**, and if you desaturate by 10%, it is **66.3375, 0.2681, 0.4513**.

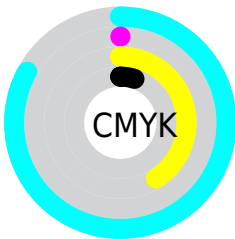
Distribution



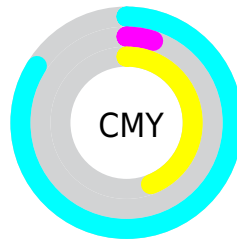
- Red (16%)
- Green (95%)
- Blue (56%)



- Red (16%)
- Yellow (68%)
- Blue (95%)



- Cyan (83%)
- Magenta (0%)
- Yellow (41%)
- Black (5%)





- Cyan (84%)
- Magenta (5%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3147, 0.2682, 0.4707 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 65.3147, 0.2682, 0.4707 by changing the saturation by 10% instead.


 65.3147, 0.2682,
0.4707


 65.3147, 0.2682,
0.4707


443.9220, 0.2921,
0.3983


 47.7163, 0.2618,
0.4890


 112.5022, 0.2772,
0.4442


 33.6023, 0.2534,
0.5124


 142.8601, 0.2805,
0.4343


 22.5882, 0.2419,
0.5434


 178.2399, 0.2833,
0.4259

 14.2898, 0.2255,
0.5861

 219.0260, 0.2856,
0.4188

 8.3225, 0.2007,
0.6472

 265.6029, 0.2876,
0.4126

 4.3020, 0.1623,
0.7461

318.3550, 0.2893,

 1.8439, 0.0000,

0.4072

1.0000

377.6665, 0.2908,
0.4025

■ 0.5143, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.3147, 0.2682,
0.4707

■ 65.3147, 0.2682,
0.4707

■ 64.6359, 0.2703,
0.4893


■ 66.3375, 0.2681,
0.4513


■ 64.3210, 0.2725,
0.5011


■ 67.7459, 0.2700,
0.4317


■ 69.5837, 0.2738,
0.4125

■ 71.8863, 0.2792,
0.3940

 74.6855, 0.2858,
0.3767

 78.0100, 0.2933,
0.3607

 81.8865, 0.3014,
0.3461

 86.3397, 0.3099,
0.3330

 91.0045, 0.3171,
0.3214

Harmonies

Analogous

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



65.3147, 0.3561, 0.5063



65.3147, 0.2682, 0.4707



65.3147, 0.1974, 0.3714

Triad

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



65.3147, 0.2682, 0.4707



65.3147, 0.1866, 0.1913



65.3147, 0.4929, 0.3426

Complementary

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



65.3147, 0.2682, 0.4707



22.0961, 0.4616, 0.2445

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.



65.3147, 0.4336, 0.2804



65.3147, 0.2682, 0.4707



65.3147, 0.2474, 0.1980

Square

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



65.3147, 0.2682, 0.4707



65.3147, 0.1580, 0.2139



65.3147, 0.3375, 0.2294



65.3147, 0.4907, 0.4092

Rectangle

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



65.3147, 0.2682, 0.4707



65.3147, 0.1689, 0.3025



65.3147, 0.3375, 0.2294



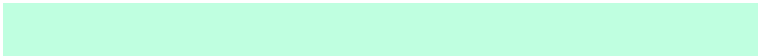
65.3147, 0.4795, 0.3212

Sweetspot

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



65.3173, 0.2682, 0.4707



87.9876, 0.2920, 0.3633



68.6900, 0.3435, 0.5519



18.5410, 0.2893, 0.3689



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.



65.3173, 0.2682, 0.4707



73.1130, 0.2727, 0.5016



69.7156, 0.2274, 0.3287



17.7902, 0.3047, 0.3409



34.9071, 0.2717, 0.4983



2.9240, 0.2651, 0.4744

Inverse Universe

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



22.0961, 0.4616, 0.2445



22.7586, 0.5032, 0.2546



20.3818, 0.6057, 0.3299



15.8888, 0.3216, 0.3174



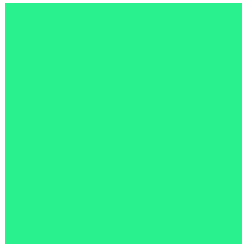
10.8878, 0.4988, 0.2522



0.9258, 0.4691, 0.2358

Previews

White Background



This preview shows how the Yxy color 65.3147, 0.2682, 0.4707 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 65.3147, 0.2682, 0.4707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

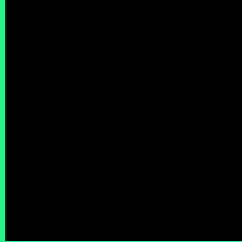
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

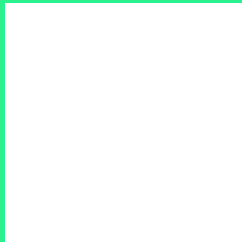
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.3147, 0.2682, 0.4707

Background



This preview shows how black text looks on a background with the Yxy color 65.3147, 0.2682, 0.4707.

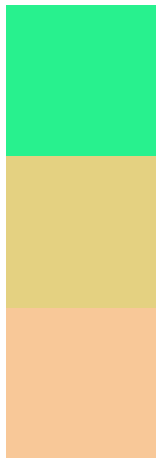


This preview shows how white text looks on a background with the Yxy color 65.3147, 0.2682, 0.4707.

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

65.3147, 0.2682, 0.4707

Protanopia

63.6799, 0.3855, 0.4178

Deuteranopia

63.5320, 0.3892, 0.3802



Tritanopia

65.1869, 0.2329, 0.3065

Trichromacy



Original Color

65.3147, 0.2682, 0.4707



Protanomaly

60.9077, 0.3247, 0.4429



Deuteranomaly

59.5097, 0.3258, 0.4155



Tritanomaly

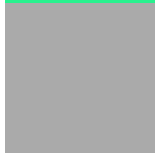
64.3771, 0.2441, 0.3609

Monochromacy



Original Color

65.3147, 0.2682, 0.4707



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

46.2289, 0.2834, 0.3825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3147, 0.2682, 0.4707 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(40, 241, 142)` looks like.

```
.text, #text, p{  
    color:rgb(40, 241, 142)  
}
```

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(40, 241, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 241, 142) }
```

Border

The CSS property to change the border of an element to Yxy 65.3147, 0.2682, 0.4707 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(40, 241, 142) }
```

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

```
.border{ border-color:rgb(40, 241, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 241, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 241, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 241, 142);  
box-shadow:4px 4px 4px 4px rgb(40, 241,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3147, 0.2682, 0.4707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 241, 142) }
```

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

```
.background{ background-color: rgb(40, 241,  
142) }
```

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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