

Converting Colors

$Y_{xy}(65.3036, 0.2652, 0.4719)$

Have a look what the booklet for
Yxy(65.3036, 0.2652, 0.4719)
contains.

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Color

Yxy(65.5428, 0.2654, 0.4727)

Conversions

Conversions Part 1

Format	Color
Hex	0DF28E
RGB	13, 242, 142
RGB Percent	5%, 95%, 56%
CMY	0.9500, 0.0510, 0.4430
CMYK	0.95, 0.00, 0.41, 0.05
HSL	154°, 90%, 50%
HSV	154°, 95%, 95%
XYZ	36.7994, 65.5428, 36.3141
YIQ	162.1290, -104.3840, -79.6480

Conversions

Conversions Part 2

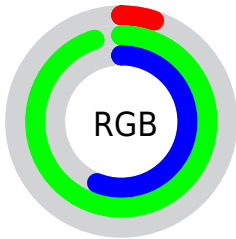
Format	Color
RYB	13, 159, 242
Decimal	914062
CIELab	84.76, -69.90, 35.03
CIELCh	85, 78.187, 153.382
Yxy	65.5428, 0.2654, 0.4727
Android (android.graphics.Color)	4279104142 (0xFF0DF28E)
YUV	162.1290, -9.9236, -130.7861
Hunter-Lab	80.9585, -60.5409, 30.0763

Details

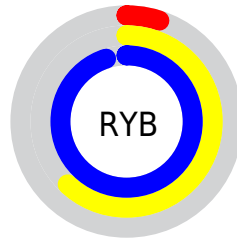
The Yxy color **65.5428, 0.2654, 0.4727** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark saturated spring green. A complement of this color would be **20.3456, 0.5130, 0.2627**, and the grayscale version is **36.2444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1286, 0.2676, 0.4012**, and **35.0192, 0.2734, 0.5043** is the 20% darker color. If you saturate the color by 10%, you get **65.2989, 0.2670, 0.4812**, and if you desaturate by 10%, it is **66.1864, 0.2634, 0.4560**.

Distribution



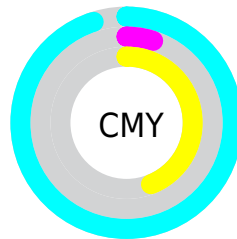
- Red (5%)
- Green (95%)
- Blue (56%)



- Red (5%)
- Yellow (62%)
- Blue (95%)



- Cyan (95%)
- Magenta (0%)
- Yellow (41%)
- Black (5%)





- Cyan (95%)
- Magenta (5%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.5428, 0.2654, 0.4727 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 65.5428, 0.2654, 0.4727 by changing the saturation by 10% instead.


 65.5428, 0.2654,
0.4727

 65.5428, 0.2654,
0.4727

444.7400, 0.2907,
0.3992


 47.9014, 0.2587,
0.4912


 112.8299, 0.2749,
0.4458


 33.7488, 0.2499,
0.5150


 143.2443, 0.2784,
0.4357


 22.7007, 0.2379,
0.5465


 178.6852, 0.2813,
0.4273

 14.3726, 0.2209,
0.5898

 219.5369, 0.2838,
0.4200

 8.3803, 0.1952,
0.6517

 266.1838, 0.2859,
0.4138

 4.3392, 0.1559,
0.7513

319.0104, 0.2877,

 1.8651, 0.0000,

0.4083


1.0000


378.4010, 0.2893,
0.4035


 0.5273, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 65.5428, 0.2654,
0.4727


 65.5428, 0.2654,
0.4727


 65.2989, 0.2670,
0.4812


 66.1864, 0.2634,
0.4560


 67.1539, 0.2634,
0.4389


 68.4994, 0.2655,
0.4216


 70.2649, 0.2695,
0.4046

 72.4865, 0.2752,
0.3883

 75.1965, 0.2823,
0.3730

 78.4241, 0.2903,
0.3588

 82.1960, 0.2991,
0.3458

 86.5372, 0.3083,
0.3341

Harmonies

Analogous

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



65.5428, 0.3547, 0.5102



65.5428, 0.2654, 0.4727



65.5428, 0.1941, 0.3700

Triad

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



65.5428, 0.2654, 0.4727



65.5428, 0.1853, 0.1888



65.5428, 0.4971, 0.3436

Complementary

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



65.5428, 0.2654, 0.4727



20.3456, 0.5130, 0.2627

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.



65.5428, 0.4377, 0.2805



65.5428, 0.2654, 0.4727



65.5428, 0.2475, 0.1962

Square

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



65.5428, 0.2654, 0.4727



65.5428, 0.1558, 0.2109



65.5428, 0.3398, 0.2285



65.5428, 0.4932, 0.4112

Rectangle

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



65.5428, 0.2654, 0.4727



65.5428, 0.1658, 0.2998



65.5428, 0.3398, 0.2285



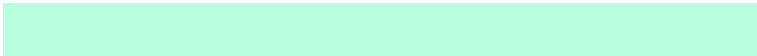
65.5428, 0.4840, 0.3218

Sweetspot

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



65.5454, 0.2654, 0.4727



87.0355, 0.2876, 0.3634



67.2433, 0.3319, 0.5720



18.2954, 0.2841, 0.3696



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.



65.5454, 0.2654, 0.4727



73.5275, 0.2671, 0.4817



63.3911, 0.2211, 0.3139



17.8057, 0.3039, 0.3395



35.1051, 0.2663, 0.4785



2.9404, 0.2603, 0.4569

Inverse Universe

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



20.3456, 0.5130, 0.2627



22.4121, 0.5276, 0.2680



19.5686, 0.6297, 0.3329



15.8733, 0.3225, 0.3187



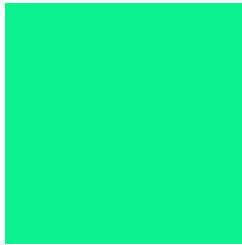
10.7211, 0.5228, 0.2654



0.9115, 0.4897, 0.2472

Previews

White Background



This preview shows how the Yxy color 65.5428, 0.2654, 0.4727 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 65.5428, 0.2654, 0.4727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

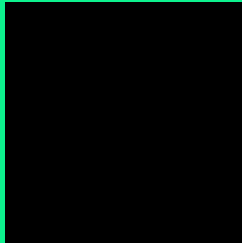
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.5428, 0.2654, 0.4727

Background



This preview shows how black text looks on a background with the Yxy color 65.5428, 0.2654, 0.4727.

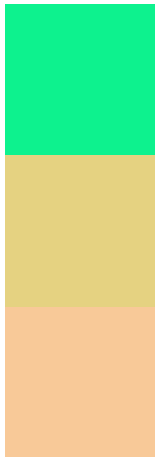


This preview shows how white text looks on a background with the Yxy color 65.5428, 0.2654, 0.4727.

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

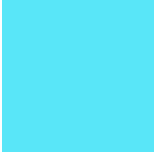
65.5428, 0.2654, 0.4727

Protanopia

64.3362, 0.3859, 0.4185

Deuteranopia

63.9967, 0.3888, 0.3812



Tritanopia

65.4948, 0.2310, 0.3065

Trichromacy



Original Color

65.5428, 0.2654, 0.4727



Protanomaly

60.4478, 0.3176, 0.4464



Deuteranomaly

58.9312, 0.3183, 0.4187



Tritanomaly

64.4412, 0.2410, 0.3624

Monochromacy



Original Color

65.5428, 0.2654, 0.4727



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

42.8163, 0.2764, 0.3850

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.5428, 0.2654, 0.4727 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(13, 242, 142)` looks like.

```
.text, #text, p{  
    color:rgb(13, 242, 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(13, 242, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 242, 142) }
```

Border

The CSS property to change the border of an element to Yxy 65.5428, 0.2654, 0.4727 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(13, 242, 142) }
```

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

```
.border{ border-color:rgb(13, 242, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 242, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 242, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 242, 142);  
box-shadow:4px 4px 4px 4px rgb(13, 242,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 65.5428, 0.2654, 0.4727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 242, 142) }
```

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

```
.background{ background-color: rgb(13, 242,  
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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