

Converting Colors

$Y_{xy}(65.1796, 0.2719, 0.4654)$

Have a look what the booklet for
Yxy(65.1796, 0.2719, 0.4654)
contains.

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Color

Yxy(65.3579, 0.2717, 0.4651)

Conversions

Conversions Part 1

Format	Color
Hex	3EF090
RGB	62, 240, 144
RGB Percent	24%, 94%, 56%
CMY	0.7568, 0.0588, 0.4353
CMYK	0.74, 0.00, 0.40, 0.06
HSL	148°, 86%, 59%
HSV	148°, 74%, 94%
XYZ	38.1805, 65.3579, 36.9860
YIQ	175.8340, -75.2720, -67.5920

Conversions

Conversions Part 2

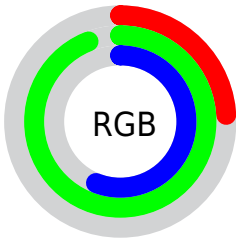
Format	Color
RYB	62, 184, 240
Decimal	4124816
CIELab	84.67, -64.99, 34.02
CIELCh	85, 73.353, 152.371
Yxy	65.3579, 0.2717, 0.4651
Android (android.graphics.Color)	4282314896 (0xFF3EF090)
YUV	175.8340, -15.6942, -99.8324
Hunter-Lab	80.8442, -57.1768, 29.4659

Details

The Yxy color **65.3579, 0.2717, 0.4651** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **24.4412, 0.4254, 0.2372**, and the grayscale version is **43.4396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6301, 0.2745, 0.3971**, and **34.6397, 0.2721, 0.4997** is the 20% darker color. If you saturate the color by 10%, you get **64.3749, 0.2723, 0.4860**, and if you desaturate by 10%, it is **66.7338, 0.2731, 0.4437**.

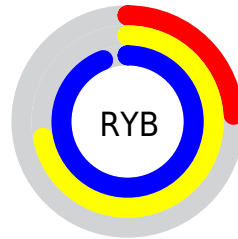
Distribution



Red (24%)

Green (94%)

Blue (56%)



Red (24%)

Yellow (72%)

Blue (94%)

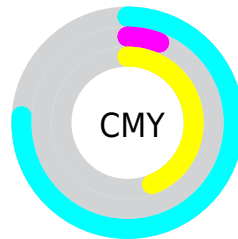


Cyan (74%)

Magenta (0%)

Yellow (40%)

Black (6%)



Cyan (76%)


Magenta (6%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3579, 0.2717, 0.4651 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 65.3579, 0.2717, 0.4651 by changing the saturation by 10% instead.


 65.3579, 0.2717,
0.4651


 65.3579, 0.2717,
0.4651


444.0770, 0.2938,
0.3957


 47.7513, 0.2658,
0.4826


 112.5643, 0.2800,
0.4397


 33.6300, 0.2580,
0.5050


 142.9328, 0.2831,
0.4302

 22.6095, 0.2474,
0.5346


 178.3242, 0.2856,
0.4222

 14.3054, 0.2321,
0.5754

 219.1228, 0.2878,
0.4154

 8.3334, 0.2088,
0.6340

265.7130, 0.2896,
0.4095

 4.3090, 0.1722,
0.7273

318.4791, 0.2912,

 1.8479, 0.0000,

0.4043

1.0000

377.8057, 0.2926,
0.3998

■ 0.5168, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.3579, 0.2717,
0.4651

■ 65.3579, 0.2717,
0.4651

■ 64.3749, 0.2723,
0.4860

■ 66.7338, 0.2731,
0.4437


■ 63.7266, 0.2748,
0.5058


■ 68.5362, 0.2764,
0.4225


■ 63.4605, 0.2768,
0.5166


■ 70.8036, 0.2812,
0.4021

■ 73.5681, 0.2873,
0.3829

 76.8586, 0.2942,
0.3651

 80.7020, 0.3017,
0.3490

 85.1232, 0.3094,
0.3345

 90.1455, 0.3173,
0.3217

 90.8027, 0.3134,
0.3146

Harmonies

Analogous

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



65.3579, 0.3567, 0.4989



65.3579, 0.2717, 0.4651



65.3579, 0.2026, 0.3714

Triad

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



65.3579, 0.2717, 0.4651



65.3579, 0.1902, 0.1960



65.3579, 0.4853, 0.3421

Complementary

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



65.3579, 0.2717, 0.4651



24.4412, 0.4254, 0.2372

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.



65.3579, 0.4275, 0.2816



65.3579, 0.2717, 0.4651



65.3579, 0.2489, 0.2019

Square

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



65.3579, 0.2717, 0.4651



65.3579, 0.1628, 0.2188



65.3579, 0.3354, 0.2322



65.3579, 0.4848, 0.4067

Rectangle

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



65.3579, 0.2717, 0.4651



65.3579, 0.1743, 0.3054



65.3579, 0.3354, 0.2322



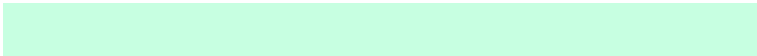
65.3579, 0.4721, 0.3212

Sweetspot

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



65.3605, 0.2717, 0.4651



89.0705, 0.2957, 0.3616



70.1344, 0.3516, 0.5302



18.8240, 0.2937, 0.3662



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.



65.3605, 0.2717, 0.4651



73.4497, 0.2733, 0.4963



69.1225, 0.2342, 0.3401



17.7775, 0.3053, 0.3420



34.7641, 0.2760, 0.5137



2.9119, 0.2690, 0.4885

Inverse Universe

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



24.4412, 0.4254, 0.2372



24.3098, 0.4593, 0.2366



22.4258, 0.5586, 0.3229



15.9014, 0.3209, 0.3163



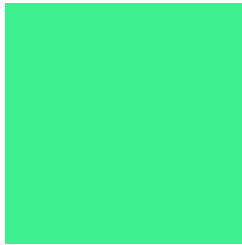
11.0424, 0.4792, 0.2413



0.9387, 0.4526, 0.2267

Previews

White Background



This preview shows how the Yxy color 65.3579, 0.2717, 0.4651 looks on a white background.

Color Contrast Check

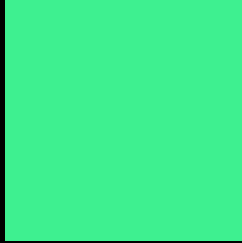
Large Text (above 18pt) WCAG AA × Fail

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 65.3579, 0.2717, 0.4651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

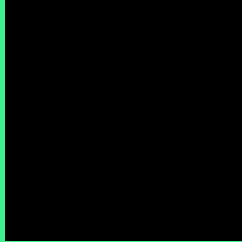
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

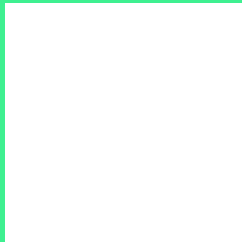
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.3579, 0.2717, 0.4651

Background



This preview shows how black text looks on a background with the Yxy color 65.3579, 0.2717, 0.4651.

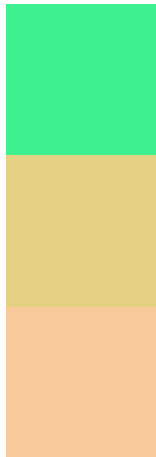


This preview shows how white text looks on a background with the Yxy color 65.3579, 0.2717, 0.4651.

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

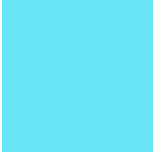
65.3579, 0.2717, 0.4651

Protanopia

63.7609, 0.3835, 0.4147

Deuteranopia

64.0297, 0.3880, 0.3802



Tritanopia

65.0837, 0.2359, 0.3066

Trichromacy



Original Color

65.3579, 0.2717, 0.4651



Protanomaly

61.2888, 0.3295, 0.4373



Deuteranomaly

60.5062, 0.3306, 0.4113



Tritanomaly

64.4405, 0.2480, 0.3593

Monochromacy



Original Color

65.3579, 0.2717, 0.4651



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

48.6781, 0.2892, 0.3792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3579, 0.2717, 0.4651 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(62, 240, 144)` looks like.

```
.text, #text, p{  
    color:rgb(62, 240, 144)  
}
```

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(62, 240, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 240, 144) }
```

Border

The CSS property to change the border of an element to Yxy 65.3579, 0.2717, 0.4651 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(62, 240, 144) }
```

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

```
.border{ border-color:rgb(62, 240, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 240, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 240, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 240, 144);  
box-shadow:4px 4px 4px 4px rgb(62, 240,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3579, 0.2717, 0.4651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 240, 144) }
```

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

```
.background{ background-color: rgb(62, 240,  
144) }
```

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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