

Converting Colors

$Y_{xy}(55.7830, 0.2717, 0.4810)$

Have a look what the booklet for
Yxy(55.7830, 0.2717, 0.4810)
contains.

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Color

Yxy(55.7881, 0.2714, 0.4803)

Conversions

Conversions Part 1

Format	Color
Hex	27E17E
RGB	39, 225, 126
RGB Percent	15%, 88%, 49%
CMY	0.8475, 0.1176, 0.5059
CMYK	0.83, 0.00, 0.44, 0.12
HSL	148°, 76%, 52%
HSV	148°, 83%, 88%
XYZ	31.5238, 55.7881, 28.8407
YIQ	158.1000, -79.0770, -70.2210

Conversions

Conversions Part 2

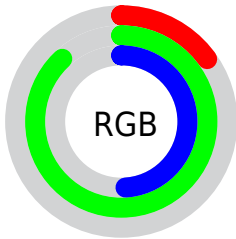
Format	Color
RYB	39, 166, 225
Decimal	2613630
CIELab	79.49, -65.51, 36.20
CIELCh	79, 74.843, 151.074
Yxy	55.7881, 0.2714, 0.4803
Android (android.graphics.Color)	4280803710 (0xFF27E17E)
YUV	158.1000, -15.8253, -104.4507
Hunter-Lab	74.6914, -55.3734, 29.3903

Details

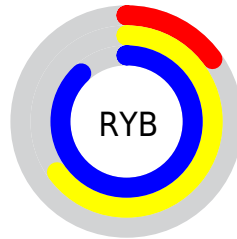
The Yxy color **55.7881, 0.2714, 0.4803** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **19.2850, 0.4463, 0.2367**, and the grayscale version is **34.3254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6668, 0.2770, 0.4234**, and **28.5133, 0.2770, 0.5171** is the 20% darker color. If you saturate the color by 10%, you get **55.1840, 0.2735, 0.5001**, and if you desaturate by 10%, it is **56.6934, 0.2712, 0.4596**.

Distribution



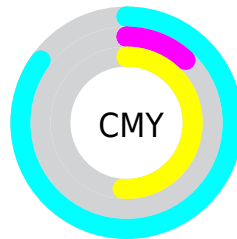
- Red (15%)
- Green (88%)
- Blue (49%)



- Red (15%)
- Yellow (65%)
- Blue (88%)



- Cyan (83%)
- Magenta (0%)
- Yellow (44%)
- Black (12%)





- Cyan (85%)
- Magenta (12%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7881, 0.2714, 0.4803 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 55.7881, 0.2714, 0.4803 by changing the saturation by 10% instead.


 55.7881, 0.2714,
0.4803


 55.7881, 0.2714,
0.4803


408.8924, 0.2948,
0.4008

 40.0331, 0.2647,
0.5010


 98.6947, 0.2805,
0.4507


 27.5643, 0.2557,
0.5280


 126.6150, 0.2838,
0.4398


 17.9975, 0.2429,
0.5643


 159.3592, 0.2864,
0.4306

 10.9482, 0.2239,
0.6152

 197.3117, 0.2887,
0.4229

 6.0320, 0.1935,
0.6893

 240.8569, 0.2906,
0.4162

 2.8646, 0.1363,
0.8637

290.3792, 0.2922,


 1.0614, 0.0000,


0.4104


1.0000

346.2629, 0.2936,
0.4053

 0.0000, 0.0000,
0.0000

 55.7881, 0.2714,
0.4803

 55.7881, 0.2714,
0.4803


 55.1840, 0.2735,
0.5001


 56.6934, 0.2712,
0.4596


 54.8812, 0.2760,
0.5136


 57.9347, 0.2730,
0.4385


 59.5485, 0.2766,
0.4178


 61.5648, 0.2817,
0.3979

 64.0106, 0.2880,
0.3793

 66.9103, 0.2951,
0.3621

 70.2863, 0.3027,
0.3465

 74.1599, 0.3106,
0.3325

 78.5506, 0.3185,
0.3201

Harmonies

Analogous

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



55.7881, 0.3617, 0.5115



55.7881, 0.2714, 0.4803



55.7881, 0.1974, 0.3791

Triad

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



55.7881, 0.2714, 0.4803



55.7881, 0.1808, 0.1883



55.7881, 0.4965, 0.3384

Complementary

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



55.7881, 0.2714, 0.4803



19.2850, 0.4463, 0.2367

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.



55.7881, 0.4322, 0.2755



55.7881, 0.2714, 0.4803



55.7881, 0.2409, 0.1936

Square

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



55.7881, 0.2714, 0.4803



55.7881, 0.1536, 0.2130



55.7881, 0.3321, 0.2244



55.7881, 0.4972, 0.4062

Rectangle

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



55.7881, 0.2714, 0.4803



55.7881, 0.1670, 0.3069



55.7881, 0.3321, 0.2244



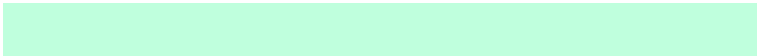
55.7881, 0.4816, 0.3166

Sweetspot

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



55.7904, 0.2714, 0.4803



87.8537, 0.2933, 0.3662



59.4172, 0.3480, 0.5471



18.5092, 0.2908, 0.3722



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.



55.7904, 0.2714, 0.4803



72.9094, 0.2760, 0.5130



59.3885, 0.2301, 0.3372



15.4435, 0.3053, 0.3417



31.6455, 0.2752, 0.5108



2.2115, 0.2671, 0.4814

Inverse Universe

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



19.2850, 0.4463, 0.2367



23.1174, 0.4841, 0.2445



17.6429, 0.5962, 0.3262



13.8218, 0.3209, 0.3166



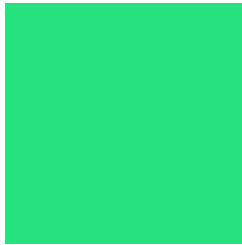
10.0254, 0.4817, 0.2427



0.7130, 0.4501, 0.2253

Previews

White Background



This preview shows how the Yxy color 55.7881, 0.2714, 0.4803 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 55.7881, 0.2714, 0.4803 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 55.7881, 0.2714, 0.4803

Background



This preview shows how black text looks on a background with the Yxy color 55.7881, 0.2714, 0.4803.

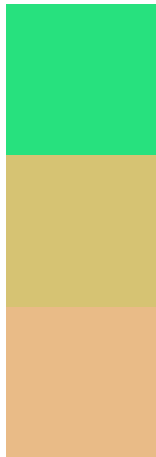


This preview shows how white text looks on a background with the Yxy color 55.7881, 0.2714, 0.4803.

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

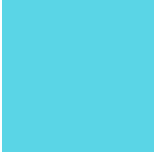
55.7881, 0.2714, 0.4803

Protanopia

54.5642, 0.3902, 0.4230

Deuteranopia

54.6136, 0.3957, 0.3876



Tritanopia

55.4753, 0.2335, 0.3063

Trichromacy



Original Color

55.7881, 0.2714, 0.4803



Protanomaly

51.9586, 0.3291, 0.4502



Deuteranomaly

51.1206, 0.3311, 0.4237



Tritanomaly

54.7711, 0.2459, 0.3647

Monochromacy



Original Color

55.7881, 0.2714, 0.4803



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

39.1761, 0.2859, 0.3864

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7881, 0.2714, 0.4803 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(39, 225, 126)` looks like.

```
.text, #text, p{  
    color:rgb(39, 225, 126)  
}
```

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(39, 225, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 225, 126) }
```

Border

The CSS property to change the border of an element to Yxy 55.7881, 0.2714, 0.4803 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(39, 225, 126) }
```

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

```
.border{ border-color:rgb(39, 225, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 225, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 225, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 225, 126);  
box-shadow:4px 4px 4px 4px rgb(39, 225,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7881, 0.2714, 0.4803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 225, 126) }
```

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

```
.background{ background-color: rgb(39, 225,  
126) }
```

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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