

Converting Colors

Yxy(54.9284, 0.2520, 0.4663)

Have a look what the booklet for
Yxy(54.9284, 0.2520, 0.4663)
contains.

Yxy(55.6854, 0.2619, 0.4628)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(55.6854, 0.2619, 0.4628)

Conversions

Conversions Part 1

Format	Color
Hex	00E18A
RGB	0, 225, 138
RGB Percent	0%, 88%, 54%
CMY	0.9995, 0.1176, 0.4589
CMYK	1.00, 0.00, 0.39, 0.12
HSL	157°, 100%, 44%
HSV	157°, 100%, 88%
XYZ	31.5125, 55.6854, 33.1249
YIQ	147.8070, -106.1730, -74.7570

Conversions

Conversions Part 2

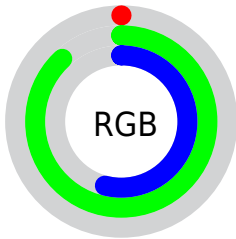
Format	Color
RYB	0, 139, 225
Decimal	57738
CIELab	79.43, -65.30, 30.03
CIELCh	79, 71.870, 155.302
Yxy	55.6854, 0.2619, 0.4628
Android (android.graphics.Color)	4278247818 (0xFF00E18A)
YUV	147.8070, -4.8349, -129.6267
Hunter-Lab	74.6227, -55.2105, 25.9171

Details

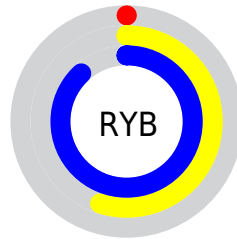
The Yxy color **55.6854, 0.2619, 0.4628** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **16.7015, 0.5461, 0.2782**, and the grayscale version is **29.6001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4516, 0.2673, 0.4084**, and **28.6934, 0.2704, 0.4935** is the 20% darker color. If you saturate the color by 10%, you get **55.6854, 0.2619, 0.4629**, and if you desaturate by 10%, it is **56.1270, 0.2596, 0.4482**.

Distribution



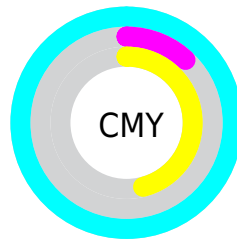
- Red (0%)
- Green (88%)
- Blue (54%)



- Red (0%)
- Yellow (55%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (12%)




- Cyan (100%)
- Magenta (12%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.6854, 0.2619, 0.4628 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 55.6854, 0.2619, 0.4628 by changing the saturation by 10% instead.


 55.6854, 0.2619,
0.4628

 55.6854, 0.2619,
0.4628


408.5048, 0.2891,
0.3928


 39.9507, 0.2546,
0.4811


 98.5444, 0.2722,
0.4367

 27.5001, 0.2450,
0.5049


 126.4376, 0.2759,
0.4271

 17.9492, 0.2317,
0.5372


 159.1524, 0.2790,
0.4191

 10.9135, 0.2126,
0.5827

 197.0733, 0.2817,
0.4122

 6.0087, 0.1832,
0.6507

 240.5846, 0.2839,
0.4063

 2.8504, 0.1272,
0.8042


290.0706, 0.2859,


 1.0541, 0.0000,


0.4012


1.0000


345.9159, 0.2876,
0.3967


 0.0000, 0.0000,
0.0000


 55.6854, 0.2619,
0.4628


 55.6854, 0.2619,
0.4628


 55.6854, 0.2619,
0.4629

 56.1270, 0.2596,
0.4482

 56.7931, 0.2590,
0.4332

 57.7521, 0.2605,
0.4180

 59.0423, 0.2640,
0.4030

 60.6960, 0.2693,
0.3884

■ 62.7416, 0.2761,
0.3745

■ 65.2044, 0.2842,
0.3616

■ 68.1077, 0.2932,
0.3496

■ 71.4729, 0.3028,
0.3387

Harmonies

Analogous

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



55.6854, 0.3487, 0.5048



55.6854, 0.2619, 0.4628



55.6854, 0.1940, 0.3621

Triad

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



55.6854, 0.2619, 0.4628



55.6854, 0.1913, 0.1918



55.6854, 0.4935, 0.3481

Complementary

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



55.6854, 0.2619, 0.4628



16.7015, 0.5461, 0.2782

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.



55.6854, 0.4394, 0.2857



55.6854, 0.2619, 0.4628



55.6854, 0.2544, 0.2006

Square

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



55.6854, 0.2619, 0.4628



55.6854, 0.1603, 0.2117



55.6854, 0.3456, 0.2337



55.6854, 0.4866, 0.4144

Rectangle

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



55.6854, 0.2619, 0.4628



55.6854, 0.1675, 0.2952



55.6854, 0.3456, 0.2337



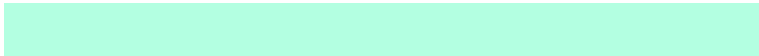
55.6854, 0.4820, 0.3266

Sweetspot

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



55.6876, 0.2619, 0.4628



86.5022, 0.2840, 0.3619



56.0302, 0.3233, 0.5815



18.2043, 0.2804, 0.3673



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.



55.6876, 0.2619, 0.4628



73.9312, 0.2622, 0.4639



47.9209, 0.2158, 0.2969



15.4778, 0.3033, 0.3382



32.1108, 0.2613, 0.4606



2.2431, 0.2550, 0.4380

Inverse Universe

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



16.7015, 0.5461, 0.2782



22.1547, 0.5480, 0.2792



16.6060, 0.6332, 0.3354



13.7879, 0.3232, 0.3200



9.6427, 0.5422, 0.2761



0.6855, 0.5008, 0.2532

Previews

White Background



This preview shows how the Yxy color 55.6854, 0.2619, 0.4628 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 55.6854, 0.2619, 0.4628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

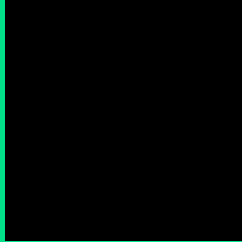
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.6854, 0.2619, 0.4628

Background



This preview shows how black text looks on a background with the Yxy color 55.6854, 0.2619, 0.4628.



This preview shows how white text looks on a background with the Yxy color 55.6854, 0.2619, 0.4628.

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

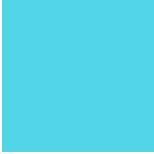
55.6854, 0.2619, 0.4628

Protanopia

54.5336, 0.3804, 0.4113

Deuteranopia

54.4702, 0.3831, 0.3748



Tritanopia

55.6120, 0.2305, 0.3062

Trichromacy



Original Color

55.6854, 0.2619, 0.4628



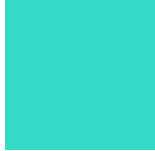
Protanomaly

50.9052, 0.3110, 0.4387



Deuteranomaly

49.8979, 0.3104, 0.4100



Tritanomaly

54.9041, 0.2390, 0.3589

Monochromacy



Original Color

55.6854, 0.2619, 0.4628



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

35.4440, 0.2721, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6854, 0.2619, 0.4628 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(0, 225, 138)` looks like.

```
.text, #text, p{  
    color:rgb(0, 225, 138)  
}
```

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(0, 225, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 225, 138) }
```

Border

The CSS property to change the border of an element to Yxy 55.6854, 0.2619, 0.4628 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(0, 225, 138) }
```

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

```
.border{ border-color:rgb(0, 225, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 225, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 225, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 225, 138);  
box-shadow:4px 4px 4px 4px rgb(0, 225,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6854, 0.2619, 0.4628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 225, 138) }
```

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

```
.background{ background-color: rgb(0, 225,  
138) }
```

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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