

Converting Colors

Yxy(56.0082, 0.2829, 0.4907)

Have a look what the booklet for
Yxy(56.0082, 0.2829, 0.4907)
contains.

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Color

Yxy(55.7890, 0.2826, 0.4899)

Conversions

Conversions Part 1

Format	Color
Hex	43E075
RGB	67, 224, 117
RGB Percent	26%, 88%, 46%
CMY	0.7373, 0.1216, 0.5411
CMYK	0.70, 0.00, 0.48, 0.12
HSL	139°, 72%, 57%
HSV	139°, 70%, 88%
XYZ	32.1820, 55.7890, 25.9073
YIQ	164.8590, -59.2250, -66.5610

Conversions

Conversions Part 2

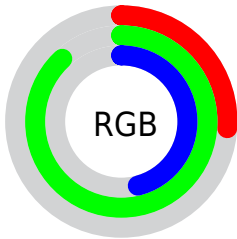
Format	Color
R _{YB}	67, 186, 224
Decimal	4448373
CIE _{Lab}	79.49, -63.12, 40.71
CIE _{LCh}	79, 75.108, 147.177
Yxy	55.7890, 0.2826, 0.4899
Android (android.graphics.Color)	4282638453 (0xFF43E075)
YUV	164.8590, -23.5945, -85.8223
Hunter-Lab	74.6920, -53.8020, 31.7194

Details

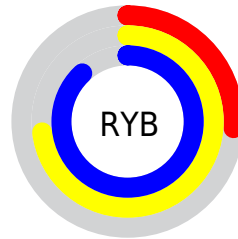
The Yxy color **55.7890, 0.2826, 0.4899** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **22.9174, 0.3823, 0.2169**, and the grayscale version is **37.6940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5286, 0.2884, 0.4333**, and **28.0308, 0.2813, 0.5327** is the 20% darker color. If you saturate the color by 10%, you get **54.8165, 0.2829, 0.5151**, and if you desaturate by 10%, it is **57.1306, 0.2840, 0.4636**.

Distribution



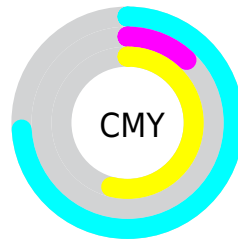
- Red (26%)
- Green (88%)
- Blue (46%)



- Red (26%)
- Yellow (73%)
- Blue (88%)



- Cyan (70%)
- Magenta (0%)
- Yellow (48%)
- Black (12%)





- Cyan (74%)
- Magenta (12%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7890, 0.2826, 0.4899 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 55.7890, 0.2826, 0.4899 by changing the saturation by 10% instead.


 55.7890, 0.2826,
0.4899


 55.7890, 0.2826,
0.4899


408.8958, 0.3011,
0.4055


 40.0338, 0.2769,
0.5118


 98.6960, 0.2902,
0.4585


 27.5649, 0.2689,
0.5402


 126.6166, 0.2927,
0.4469

 17.9979, 0.2572,
0.5782


 159.3611, 0.2948,
0.4372

 10.9485, 0.2391,
0.6307

 197.3138, 0.2966,
0.4289

 6.0322, 0.2096,
0.7073

240.8593, 0.2980,
0.4218

 2.8647, 0.1512,
0.8488

290.3819, 0.2992,

 1.0615, 0.0000,

0.4156


1.0000


346.2659, 0.3002,
0.4102


 0.0000, 0.0000,
0.0000

 55.7890, 0.2826,
0.4899


 55.7890, 0.2826,
0.4899


 54.8165, 0.2829,
0.5151


 57.1306, 0.2840,
0.4636


 54.1659, 0.2849,
0.5378


 58.8687, 0.2868,
0.4372

 53.7728, 0.2881,
0.5571


 61.0356, 0.2909,
0.4118

 63.6586, 0.2958,
0.3880

 66.7624, 0.3012,
0.3662

 70.3702, 0.3069,
0.3466

 74.5034, 0.3127,
0.3291

 79.1823, 0.3184,
0.3138

 81.7542, 0.3145,
0.2995

Harmonies

Analogous

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



55.7890, 0.3734, 0.5101



55.7890, 0.2826, 0.4899



55.7890, 0.2049, 0.3942

Triad

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



55.7890, 0.2826, 0.4899



55.7890, 0.1751, 0.1893



55.7890, 0.4921, 0.3297

Complementary

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



55.7890, 0.2826, 0.4899



22.9174, 0.3823, 0.2169

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.



55.7890, 0.4206, 0.2678



55.7890, 0.2826, 0.4899



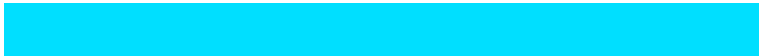
55.7890, 0.2309, 0.1911

Square

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



55.7890, 0.2826, 0.4899



55.7890, 0.1519, 0.2184



55.7890, 0.3190, 0.2188



55.7890, 0.5012, 0.3974

Rectangle

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



55.7890, 0.2826, 0.4899



55.7890, 0.1712, 0.3199



55.7890, 0.3190, 0.2188



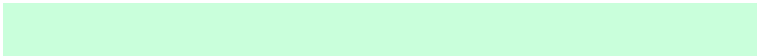
55.7890, 0.4744, 0.3082

Sweetspot

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



55.7913, 0.2826, 0.4899



89.0887, 0.3006, 0.3684



62.7499, 0.3675, 0.5102



18.8108, 0.2991, 0.3743



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.



55.7913, 0.2826, 0.4899



73.0924, 0.2836, 0.5257



58.4565, 0.2454, 0.3693



15.4089, 0.3073, 0.3454



31.3171, 0.2873, 0.5544



2.1866, 0.2786, 0.5231

Inverse Universe

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



22.9174, 0.3823, 0.2169



26.4095, 0.4024, 0.2085



20.7027, 0.5071, 0.3012



13.8574, 0.3186, 0.3132



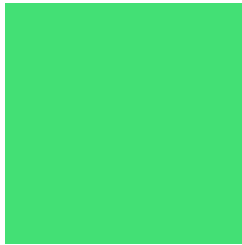
10.5777, 0.4212, 0.2094



0.7493, 0.4020, 0.1988

Previews

White Background



This preview shows how the Yxy color 55.7890, 0.2826, 0.4899 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 55.7890, 0.2826, 0.4899 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 55.7890, 0.2826, 0.4899

Background



This preview shows how black text looks on a background with the Yxy color 55.7890, 0.2826, 0.4899.

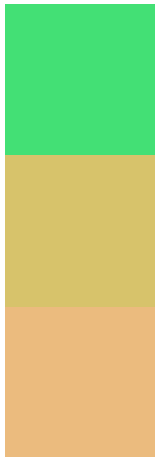


This preview shows how white text looks on a background with the Yxy color 55.7890, 0.2826, 0.4899.

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

55.7890, 0.2826, 0.4899

Protanopia

54.5388, 0.3967, 0.4311

Deuteranopia

54.7092, 0.4047, 0.3968



Tritanopia

55.7474, 0.2393, 0.3065

Trichromacy



Original Color

55.7890, 0.2826, 0.4899



Protanomaly

52.8674, 0.3427, 0.4571



Deuteranomaly

51.7373, 0.3475, 0.4313



Tritanomaly

54.9667, 0.2545, 0.3687

Monochromacy



Original Color

55.7890, 0.2826, 0.4899



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

41.9231, 0.2951, 0.3871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7890, 0.2826, 0.4899 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(67, 224, 117)` looks like.

```
.text, #text, p{  
    color:rgb(67, 224, 117)  
}
```

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(67, 224, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 224, 117) }
```

Border

The CSS property to change the border of an element to Yxy 55.7890, 0.2826, 0.4899 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(67, 224, 117) }
```

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

```
.border{ border-color:rgb(67, 224, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 224, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 224, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 224, 117);  
box-shadow:4px 4px 4px 4px rgb(67, 224,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7890, 0.2826, 0.4899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 224, 117) }
```

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

```
.background{ background-color: rgb(67, 224,  
117) }
```

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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