

Converting Colors

Yxy(56.6985, 0.2773, 0.4590)

Have a look what the booklet for
Yxy(56.6985, 0.2773, 0.4590)
contains.

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Color

Yxy(56.7086, 0.2775, 0.4596)

Conversions

Conversions Part 1

Format	Color
Hex	4EE088
RGB	78, 224, 136
RGB Percent	31%, 88%, 53%
CMY	0.6943, 0.1215, 0.4666
CMYK	0.65, 0.00, 0.39, 0.12
HSL	144°, 70%, 59%
HSV	144°, 65%, 88%
XYZ	34.2399, 56.7086, 32.4384
YIQ	170.3140, -58.7680, -58.3200

Conversions

Conversions Part 2

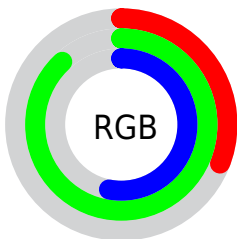
Format	Color
RYB	78, 182, 224
Decimal	5169288
CIELab	80.02, -58.09, 31.97
CIELCh	80, 66.306, 151.176
Yxy	56.7086, 0.2775, 0.4596
Android (android.graphics.Color)	4283359368 (0xFF4EE088)
YUV	170.3140, -16.9168, -80.9594
Hunter-Lab	75.3051, -50.6233, 27.1738

Details

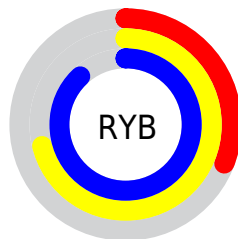
The Yxy color **56.7086, 0.2775, 0.4596** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **24.0435, 0.3918, 0.2335**, and the grayscale version is **40.4681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9004, 0.2826, 0.4079**, and **28.6611, 0.2715, 0.4975** is the 20% darker color. If you saturate the color by 10%, you get **55.5610, 0.2766, 0.4831**, and if you desaturate by 10%, it is **58.2312, 0.2802, 0.4360**.

Distribution



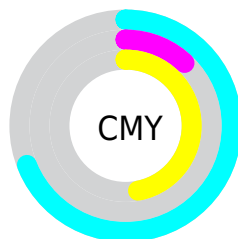
- Red (31%)
- Green (88%)
- Blue (53%)



- Red (31%)
- Yellow (71%)
- Blue (88%)



- Cyan (65%)
- Magenta (0%)
- Yellow (39%)
- Black (12%)




- Cyan (69%)
- Magenta (12%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7086, 0.2775, 0.4596 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 56.7086, 0.2775, 0.4596 by changing the saturation by 10% instead.


 56.7086, 0.2775,
0.4596

 56.7086, 0.2775,
0.4596


412.3565, 0.2971,
0.3917

 40.7713, 0.2720,
0.4772

 100.0399, 0.2851,
0.4344

 28.1405, 0.2646,
0.5000


 128.2027, 0.2878,
0.4251

 18.4316, 0.2543,
0.5308


 161.2094, 0.2900,
0.4173

 11.2603, 0.2389,
0.5740

 199.4445, 0.2919,
0.4106

 6.2422, 0.2143,
0.6378

243.2924, 0.2935,
0.4049

 2.9929, 0.1783,
0.7756

293.1374, 0.2948,

 1.1280, 0.0000,

0.3999

1.0000

349.3640, 0.2960,
0.3955

■ 0.0017, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7086, 0.2775,
0.4596

■ 56.7086, 0.2775,
0.4596

■ 55.5610, 0.2766,
0.4831

■ 58.2312, 0.2802,
0.4360

■ 54.7453, 0.2776,
0.5057


■ 60.1530, 0.2843,
0.4130


■ 54.2201, 0.2804,
0.5264


■ 62.5042, 0.2896,
0.3913


■ 54.0367, 0.2821,
0.5356

■ 65.3098, 0.2957,
0.3713

 68.5932, 0.3023,
0.3531

 72.3760, 0.3091,
0.3368

 76.6783, 0.3160,
0.3223

 81.1056, 0.3213,
0.3094

 81.7947, 0.3141,
0.2989

Harmonies

Analogous

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



56.7086, 0.3589, 0.4896



56.7086, 0.2775, 0.4596



56.7086, 0.2102, 0.3733

Triad

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



56.7086, 0.2775, 0.4596



56.7086, 0.1939, 0.2020



56.7086, 0.4754, 0.3402

Complementary

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



56.7086, 0.2775, 0.4596



24.0435, 0.3918, 0.2335

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.



56.7086, 0.4185, 0.2820



56.7086, 0.2775, 0.4596



56.7086, 0.2493, 0.2065

Square

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



56.7086, 0.2775, 0.4596



56.7086, 0.1685, 0.2257



56.7086, 0.3310, 0.2348



56.7086, 0.4780, 0.4023

Rectangle

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



56.7086, 0.2775, 0.4596



56.7086, 0.1818, 0.3107



56.7086, 0.3310, 0.2348



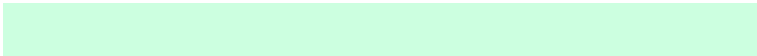
56.7086, 0.4619, 0.3200

Sweetspot

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



56.7109, 0.2775, 0.4596



89.7540, 0.2990, 0.3619



62.1917, 0.3585, 0.5046



18.9496, 0.2971, 0.3671



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.



56.7109, 0.2775, 0.4596



74.1175, 0.2767, 0.4909



59.4363, 0.2432, 0.3521



15.4271, 0.3062, 0.3435



31.4725, 0.2813, 0.5328



2.1988, 0.2727, 0.5016

Inverse Universe

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



24.0435, 0.3918, 0.2335



27.2302, 0.4160, 0.2244



22.1183, 0.5013, 0.3121



13.8385, 0.3198, 0.3150



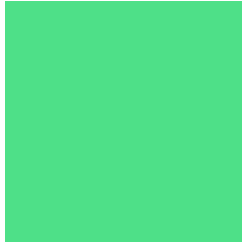
10.2651, 0.4524, 0.2266



0.7290, 0.4267, 0.2124

Previews

White Background



This preview shows how the Yxy color 56.7086, 0.2775, 0.4596 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 56.7086, 0.2775, 0.4596 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 56.7086, 0.2775, 0.4596

Background



This preview shows how black text looks on a background with the Yxy color 56.7086, 0.2775, 0.4596.

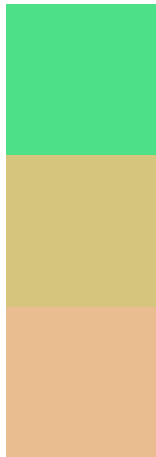


This preview shows how white text looks on a background with the Yxy color 56.7086, 0.2775, 0.4596.

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

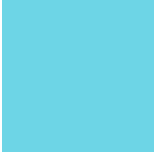
56.7086, 0.2775, 0.4596

Protanopia

55.7093, 0.3820, 0.4140

Deuteranopia

55.7324, 0.3874, 0.3799



Tritanopia

56.5529, 0.2407, 0.3067

Trichromacy



Original Color

56.7086, 0.2775, 0.4596



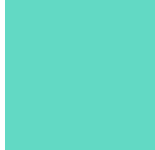
Protanomaly

54.2100, 0.3343, 0.4336



Deuteranomaly

53.5113, 0.3369, 0.4092



Tritanomaly

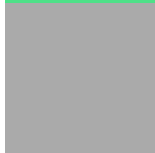
56.2079, 0.2536, 0.3580

Monochromacy



Original Color

56.7086, 0.2775, 0.4596



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

44.6139, 0.2942, 0.3761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7086, 0.2775, 0.4596 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(78, 224, 136)` looks like.

```
.text, #text, p{  
    color:rgb(78, 224, 136)  
}
```

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(78, 224, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 224, 136) }
```

Border

The CSS property to change the border of an element to Yxy 56.7086, 0.2775, 0.4596 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(78, 224, 136) }
```

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

```
.border{ border-color:rgb(78, 224, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 224, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 224, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 224, 136);  
box-shadow:4px 4px 4px 4px rgb(78, 224,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7086, 0.2775, 0.4596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 224, 136) }
```

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

```
.background{ background-color: rgb(78, 224,  
136) }
```

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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