

Converting Colors

Yxy(56.9369, 0.2643, 0.4295)

Have a look what the booklet for
Yxy(56.9369, 0.2643, 0.4295)
contains.

Yxy(56.9406, 0.2643, 0.4295)	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(56.9406, 0.2643, 0.4295)

Conversions

Conversions Part 1

Format	Color
Hex	44E09C
RGB	68, 224, 156
RGB Percent	27%, 88%, 61%
CMY	0.7334, 0.1215, 0.3882
CMYK	0.70, 0.00, 0.30, 0.12
HSL	154°, 72%, 57%
HSV	154°, 70%, 88%
XYZ	35.0393, 56.9406, 40.5942
YIQ	169.6040, -71.1480, -54.2200

Conversions

Conversions Part 2

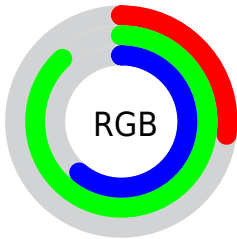
Format	Color
R _{YB}	68, 168, 224
Decimal	4513948
CIE Lab	80.15, -55.91, 21.82
CIE LCh	80, 60.015, 158.676
Yxy	56.9406, 0.2643, 0.4295
Android (android.graphics.Color)	4282704028 (0xFF44E09C)
YUV	169.6040, -6.7068, -89.1067
Hunter-Lab	75.4590, -49.1669, 20.9254

Details

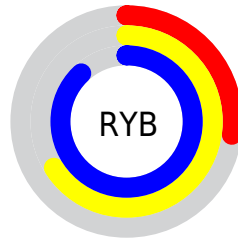
The Yxy color **56.9406, 0.2643, 0.4295** is a light color, and the websafe version is hex **00CC99**. The color can be described as light muted spring green. A complement of this color would be **21.7589, 0.4406, 0.2574**, and the grayscale version is **40.0513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2915, 0.2693, 0.3818**, and **29.0047, 0.2606, 0.4580** is the 20% darker color. If you saturate the color by 10%, you get **55.9680, 0.2632, 0.4467**, and if you desaturate by 10%, it is **58.2518, 0.2674, 0.4124**.

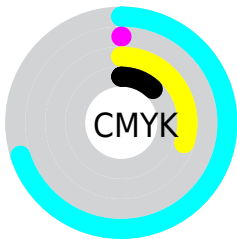
Distribution



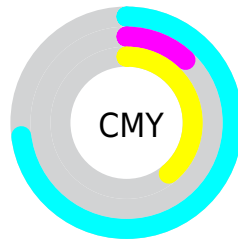
- Red (27%)
- Green (88%)
- Blue (61%)



- Red (27%)
- Yellow (66%)
- Blue (88%)



- Cyan (70%)
- Magenta (0%)
- Yellow (30%)
- Black (12%)





- Cyan (73%)
- Magenta (12%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.9406, 0.2643, 0.4295 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 56.9406, 0.2643, 0.4295 by changing the saturation by 10% instead.


 56.9406, 0.2643,
0.4295

 56.9406, 0.2643,
0.4295


413.2267, 0.2891,
0.3778

 40.9576, 0.2579,
0.4428


 100.3785, 0.2735,
0.4104


 28.2859, 0.2497,
0.4600


 128.6022, 0.2769,
0.4033

 18.5413, 0.2386,
0.4832


 161.6748, 0.2797,
0.3974

 11.3393, 0.2230,
0.5159

 199.9808, 0.2822,
0.3923

 6.2955, 0.1996,
0.5652

243.9046, 0.2843,
0.3879

 3.0256, 0.1612,
0.6460

293.8306, 0.2861,

 1.1451, 0.0000,

0.3841

1.0000

350.1432, 0.2877,
0.3808

■ 0.0162, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 56.9406, 0.2643,
0.4295

■ 56.9406, 0.2643,
0.4295

■ 55.9680, 0.2632,
0.4467

■ 58.2518, 0.2674,
0.4124

■ 55.2894, 0.2641,
0.4636


■ 59.9269, 0.2724,
0.3959


■ 54.8437, 0.2667,
0.4799


■ 61.9961, 0.2788,
0.3801


■ 54.8297, 0.2668,
0.4805


■ 64.4846, 0.2864,
0.3654

 67.4157, 0.2948,
0.3519

 70.8107, 0.3038,
0.3396

 74.6895, 0.3130,
0.3286

 79.0709, 0.3224,
0.3188

 81.0983, 0.3214,
0.3095

Harmonies

Analogous

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



56.9406, 0.3378, 0.4724



56.9406, 0.2643, 0.4295



56.9406, 0.2080, 0.3478

Triad

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



56.9406, 0.2643, 0.4295



56.9406, 0.2139, 0.2110



56.9406, 0.4656, 0.3552

Complementary

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



56.9406, 0.2643, 0.4295



21.7589, 0.4406, 0.2574

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.



56.9406, 0.4251, 0.2994



56.9406, 0.2643, 0.4295



56.9406, 0.2721, 0.2207

Square

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



56.9406, 0.2643, 0.4295



56.9406, 0.1832, 0.2267



56.9406, 0.3502, 0.2521



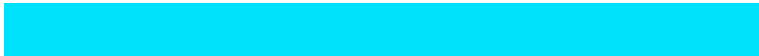
56.9406, 0.4571, 0.4123

Rectangle

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



56.9406, 0.2643, 0.4295



56.9406, 0.1864, 0.2947



56.9406, 0.3502, 0.2521



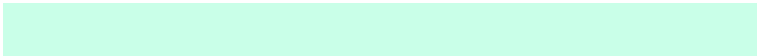
56.9406, 0.4574, 0.3361

Sweetspot

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



56.9429, 0.2643, 0.4295



89.8067, 0.2935, 0.3539



59.1514, 0.3405, 0.5270



18.9807, 0.2911, 0.3575



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.



56.9429, 0.2643, 0.4295



74.5827, 0.2634, 0.4551



55.8273, 0.2305, 0.3182



15.4661, 0.3040, 0.3394



31.9367, 0.2661, 0.4780



2.2316, 0.2591, 0.4527

Inverse Universe

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



21.7589, 0.4406, 0.2574



24.5581, 0.4837, 0.2563



21.4057, 0.5406, 0.3368



13.7993, 0.3224, 0.3188



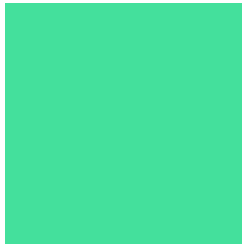
9.7558, 0.5222, 0.2650



0.6940, 0.4835, 0.2437

Previews

White Background



This preview shows how the Yxy color 56.9406, 0.2643, 0.4295 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 56.9406, 0.2643, 0.4295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

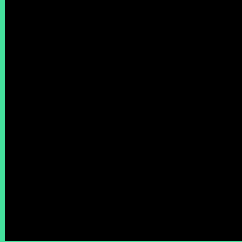
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.9406, 0.2643, 0.4295

Background



This preview shows how black text looks on a background with the Yxy color 56.9406, 0.2643, 0.4295.

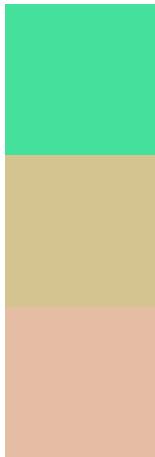


This preview shows how white text looks on a background with the Yxy color 56.9406, 0.2643, 0.4295.

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

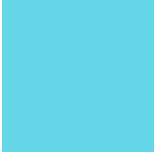
56.9406, 0.2643, 0.4295

Protanopia

55.9432, 0.3659, 0.3925

Deuteranopia

55.5695, 0.3663, 0.3578



Tritanopia

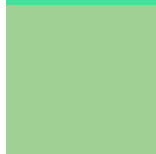
56.5720, 0.2362, 0.3053

Trichromacy



Original Color

56.9406, 0.2643, 0.4295



Protanomaly

54.2373, 0.3178, 0.4089



Deuteranomaly

53.3603, 0.3171, 0.3834



Tritanomaly

56.5771, 0.2461, 0.3481

Monochromacy



Original Color

56.9406, 0.2643, 0.4295



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

44.5301, 0.2864, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.9406, 0.2643, 0.4295 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(68, 224, 156)` looks like.

```
.text, #text, p{  
    color:rgb(68, 224, 156)  
}
```

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(68, 224, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 224, 156) }
```

Border

The CSS property to change the border of an element to Yxy 56.9406, 0.2643, 0.4295 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(68, 224, 156) }
```

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

```
.border{ border-color:rgb(68, 224, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 224, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 224, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 224, 156);  
box-shadow:4px 4px 4px 4px rgb(68, 224,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 56.9406, 0.2643, 0.4295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 224, 156) }
```

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

```
.background{ background-color: rgb(68, 224,  
156) }
```

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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