

Converting Colors

$Y_{xy}(43.3122, 0.2554, 0.3947)$

Have a look what the booklet for
Yxy(43.3122, 0.2554, 0.3947)
contains.

| | |
|--|----|
| Yxy(43.4228, 0.2556, 0.3953) | 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(43.4228, 0.2556, 0.3953)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 40C59C |
| RGB | 64, 197, 156 |
| RGB Percent | 25%, 77%, 61% |
| CMY | 0.7493, 0.2274, 0.3883 |
| CMYK | 0.68, 0.00, 0.21, 0.23 |
| HSL | 162°, 53%, 51% |
| HSV | 162°, 68%, 77% |
| XYZ | 28.0771, 43.4228, 38.3478 |
| YIQ | 152.5590, -66.1070, -40.9470 |

Conversions

Conversions Part 2

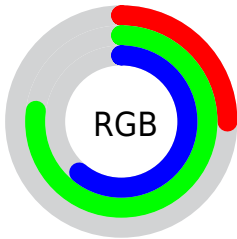
| Format | Color |
|-------------------------------------|--|
| RYB | 64, 143, 197 |
| Decimal | 4244892 |
| CIELab | 71.84, -45.63, 10.21 |
| CIELCh | 72, 46.756, 167.386 |
| Yxy | 43.4228, 0.2556, 0.3953 |
| Android (android.graphics.Color) | 4282434972 (0xFF40C59C) |
| YUV | 152.5590, 1.6964, -77.6662 |
| Hunter-Lab | 65.8960, -39.2624, 11.6237 |

Details

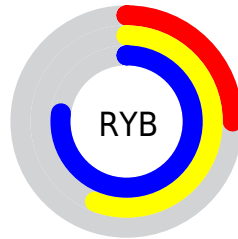
The Yxy color **43.4228, 0.2556, 0.3953** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **16.5502, 0.4640, 0.2802**, and the grayscale version is **31.6605, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0988, 0.2662, 0.3811**, and **20.3659, 0.2482, 0.4136** is the 20% darker color. If you saturate the color by 10%, you get **42.6767, 0.2529, 0.4070**, and if you desaturate by 10%, it is **44.4157, 0.2603, 0.3838**.

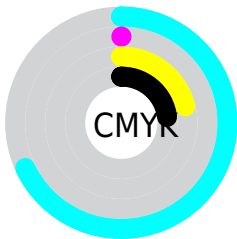
Distribution



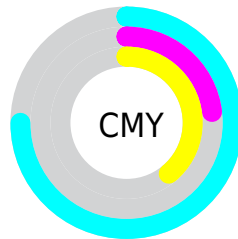
- Red (25%)
- Green (77%)
- Blue (61%)



- Red (25%)
- Yellow (56%)
- Blue (77%)



- Cyan (68%)
- Magenta (0%)
- Yellow (21%)
- Black (23%)





- Cyan (75%)
- Magenta (23%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.4228, 0.2556, 0.3953 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 43.4228, 0.2556, 0.3953 by changing the saturation by 10% instead.


 43.4228, 0.2556,
0.3953

 43.4228, 0.2556,
0.3953


360.3477, 0.2850,
0.3605

 30.2170, 0.2480,
0.4046


 80.3485, 0.2665,
0.3822

 20.0033, 0.2381,
0.4168


 104.8372, 0.2705,
0.3774

 12.3975, 0.2248,
0.4337


 133.8556, 0.2739,
0.3734

 7.0150, 0.2058,
0.4584

 167.7881, 0.2768,
0.3701

 3.4715, 0.1768,
0.4979

 207.0192, 0.2792,
0.3671

 1.3825, 0.0593,
0.6205

251.9333, 0.2814,

 0.2038, 0.0000,

0.3646

1.0000

302.9146, 0.2833,
0.3624

0.0000, 0.0000,
0.0000

43.4228, 0.2556,
0.3953

43.4228, 0.2556,
0.3953

42.6767, 0.2529,
0.4070

44.4157, 0.2603,
0.3838

42.1464, 0.2522,
0.4188

45.6725, 0.2667,
0.3727

41.7963, 0.2533,
0.4303

47.2147, 0.2746,
0.3621

41.7223, 0.2537,
0.4332

49.0599, 0.2837,
0.3522

51.2246, 0.2937,
0.3431

■ 53.7238, 0.3044,
0.3347

■ 56.5717, 0.3154,
0.3272

■ 59.7815, 0.3266,
0.3205

■ 63.3660, 0.3378,
0.3146

Harmonies

Analogous

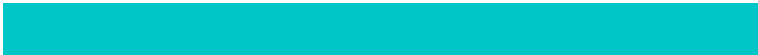
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.4228, 0.3170, 0.4439



43.4228, 0.2556, 0.3953



43.4228, 0.2124, 0.3256

Triad

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



43.4228, 0.2556, 0.3953



43.4228, 0.2396, 0.2261



43.4228, 0.4459, 0.3687

Complementary

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



43.4228, 0.2556, 0.3953



16.5502, 0.4640, 0.2802

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.



43.4228, 0.4225, 0.3183



43.4228, 0.2556, 0.3953



43.4228, 0.2967, 0.2405

Square

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



43.4228, 0.2556, 0.3953



43.4228, 0.2048, 0.2339



43.4228, 0.3652, 0.2731



43.4228, 0.4288, 0.4165

Rectangle

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



43.4228, 0.2556, 0.3953



43.4228, 0.1981, 0.2841



43.4228, 0.3652, 0.2731



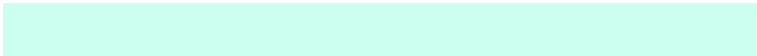
43.4228, 0.4427, 0.3518

Sweetspot

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



43.4245, 0.2556, 0.3953



90.6058, 0.2909, 0.3455



43.3750, 0.3273, 0.5288



19.1537, 0.2880, 0.3481



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.



43.4245, 0.2556, 0.3953



75.9354, 0.2523, 0.4125



34.8583, 0.2254, 0.2904



12.0097, 0.3024, 0.3362



27.4553, 0.2532, 0.4317



1.3125, 0.2465, 0.4075

Inverse Universe

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



16.5502, 0.4640, 0.2802



24.5835, 0.5168, 0.2808



19.2752, 0.5100, 0.3579



10.6899, 0.3242, 0.3219



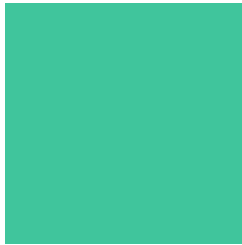
8.0406, 0.5710, 0.2919



0.3939, 0.5105, 0.2586

Previews

White Background



This preview shows how the Yxy color 43.4228, 0.2556, 0.3953 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 43.4228, 0.2556, 0.3953 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 43.4228, 0.2556, 0.3953

Background



This preview shows how black text looks on a background with the Yxy color 43.4228, 0.2556, 0.3953.

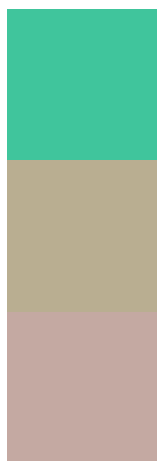


This preview shows how white text looks on a background with the Yxy color 43.4228, 0.2556, 0.3953.

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

43.4228, 0.2556, 0.3953

Protanopia

42.6307, 0.3477, 0.3682

Deuteranopia

42.7203, 0.3441, 0.3382



Tritanopia

43.2144, 0.2353, 0.3054

Trichromacy



Original Color

43.4228, 0.2556, 0.3953



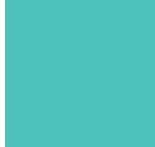
Protanomaly

41.2885, 0.3038, 0.3785



Deuteranomaly

41.0742, 0.3013, 0.3568



Tritanomaly

43.3485, 0.2422, 0.3364

Monochromacy



Original Color

43.4228, 0.2556, 0.3953



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.7740, 0.2833, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.4228, 0.2556, 0.3953 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(64, 197, 156)` looks like.

```
.text, #text, p{  
    color:rgb(64, 197, 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(64, 197, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 197, 156) }
```

Border

The CSS property to change the border of an element to Yxy 43.4228, 0.2556, 0.3953 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(64, 197, 156) }
```

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

```
.border{ border-color:rgb(64, 197, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 197, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 197, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 197, 156);  
box-shadow:4px 4px 4px 4px rgb(64, 197,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 43.4228, 0.2556, 0.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 197, 156) }
```

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

```
.background{ background-color: rgb(64, 197,  
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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