

Converting Colors

$Yxy(56.0308, 0.2446, 0.3781)$

Have a look what the booklet for
Yxy(56.0308, 0.2446, 0.3781)
contains.

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Color

Yxy(56.0308, 0.2446, 0.3781)

Conversions

Conversions Part 1

Format	Color
Hex	34DDBB
RGB	52, 221, 187
RGB Percent	20%, 87%, 73%
CMY	0.7954, 0.1333, 0.2667
CMYK	0.76, 0.00, 0.15, 0.13
HSL	168°, 71%, 54%
HSV	168°, 76%, 87%
XYZ	36.2474, 56.0308, 55.9122
YIQ	166.5930, -89.8100, -46.4020

Conversions

Conversions Part 2

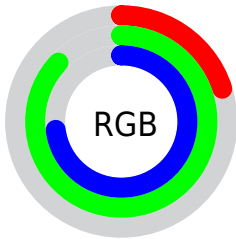
Format	Color
RYB	52, 146, 221
Decimal	3464635
CIELab	79.63, -49.61, 4.72
CIELCh	80, 49.838, 174.560
Yxy	56.0308, 0.2446, 0.3781
Android (android.graphics.Color)	4281654715 (0xFF34DDBB)
YUV	166.5930, 10.0607, -100.4981
Hunter-Lab	74.8537, -44.5567, 8.1107

Details

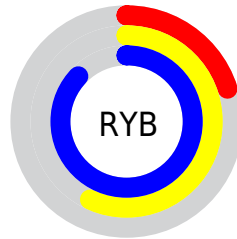
The Yxy color **56.0308, 0.2446, 0.3781** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **18.5172, 0.5285, 0.2989**, and the grayscale version is **38.4419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3510, 0.2514, 0.3428**, and **28.6315, 0.2415, 0.3894** is the 20% darker color. If you saturate the color by 10%, you get **55.3878, 0.2428, 0.3855**, and if you desaturate by 10%, it is **56.9585, 0.2483, 0.3707**.

Distribution



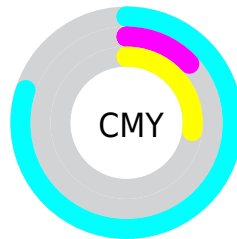
- Red (20%)
- Green (87%)
- Blue (73%)



- Red (20%)
- Yellow (57%)
- Blue (87%)



- Cyan (76%)
- Magenta (0%)
- Yellow (15%)
- Black (13%)





- Cyan (80%)
- Magenta (13%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.0308, 0.2446, 0.3781 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 56.0308, 0.2446, 0.3781 by changing the saturation by 10% instead.


 56.0308, 0.2446,
0.3781

 56.0308, 0.2446,
0.3781


409.8076, 0.2776,
0.3539

 40.2276, 0.2367,
0.3840


 99.0496, 0.2563,
0.3694


 27.7161, 0.2268,
0.3916


 127.0340, 0.2608,
0.3661

 18.1117, 0.2140,
0.4014


 159.8476, 0.2646,
0.3633

 11.0302, 0.1968,
0.4150

 197.8749, 0.2679,
0.3609

 6.0872, 0.1727,
0.4345

 241.5001, 0.2708,
0.3588

 2.8982, 0.1371,
0.4648

291.1076, 0.2733,

 1.0788, 0.0000,

0.3570

0.5650

347.0820, 0.2756,
0.3553

■ 0.0000, 0.0000,
0.0000

■ 56.0308, 0.2446,
0.3781

■ 56.0308, 0.2446,
0.3781

■ 55.3878, 0.2428,
0.3855

■ 56.9585, 0.2483,
0.3707

■ 54.9803, 0.2429,
0.3928

■ 58.1984, 0.2540,
0.3635

■ 54.8648, 0.2432,
0.3954

■ 59.7815, 0.2615,
0.3564

■ 61.7336, 0.2706,
0.3497

■ 64.0779, 0.2810,
0.3434

■ 66.8357, 0.2924,
0.3375

■ 70.0267, 0.3046,
0.3322

■ 73.6693, 0.3173,
0.3273

■ 77.7810, 0.3302,
0.3229

Harmonies

Analogous

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



56.0308, 0.3018, 0.4334



56.0308, 0.2446, 0.3781



56.0308, 0.2079, 0.3103

Triad

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



56.0308, 0.2446, 0.3781



56.0308, 0.2527, 0.2295



56.0308, 0.4427, 0.3801

Complementary

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



56.0308, 0.2446, 0.3781



18.5172, 0.5285, 0.2989

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.



56.0308, 0.4293, 0.3303



56.0308, 0.2446, 0.3781



56.0308, 0.3128, 0.2483

Square

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



56.0308, 0.2446, 0.3781



56.0308, 0.2128, 0.2317



56.0308, 0.3795, 0.2839



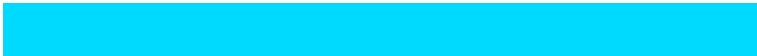
56.0308, 0.4175, 0.4245

Rectangle

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



56.0308, 0.2446, 0.3781



56.0308, 0.1980, 0.2729



56.0308, 0.3795, 0.2839



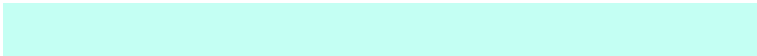
56.0308, 0.4428, 0.3636

Sweetspot

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



56.0330, 0.2446, 0.3781



89.7851, 0.2846, 0.3415



54.0718, 0.3160, 0.5589



18.9368, 0.2805, 0.3437



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.



56.0330, 0.2446, 0.3781



76.2146, 0.2427, 0.3901



35.9038, 0.2117, 0.2580



14.7823, 0.3009, 0.3337



31.8895, 0.2429, 0.3943



2.0776, 0.2396, 0.3824

Inverse Universe

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



18.5172, 0.5285, 0.2989



22.1877, 0.5893, 0.3074



24.7357, 0.5308, 0.3752



13.0942, 0.3260, 0.3243



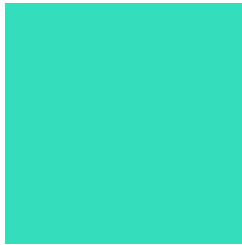
9.0508, 0.6061, 0.3113



0.5988, 0.5609, 0.2864

Previews

White Background



This preview shows how the Yxy color 56.0308, 0.2446, 0.3781 looks on a white background.

Color Contrast Check

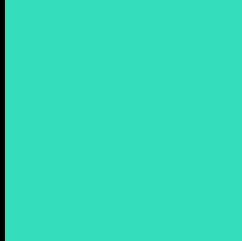
Large Text (above 18pt) WCAG AA × Fail

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 56.0308, 0.2446, 0.3781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

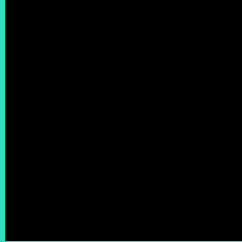
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

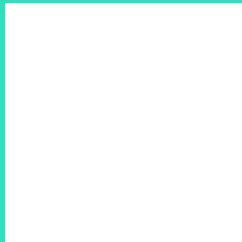
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.0308, 0.2446, 0.3781

Background



This preview shows how black text looks on a background with the Yxy color 56.0308, 0.2446, 0.3781.



This preview shows how white text looks on a background with the Yxy color 56.0308, 0.2446, 0.3781.

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

56.0308, 0.2446, 0.3781

Protanopia

54.8847, 0.3369, 0.3559

Deuteranopia

54.7373, 0.3304, 0.3232



Tritanopia

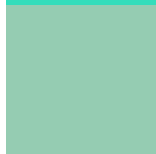
56.0893, 0.2298, 0.3063

Trichromacy



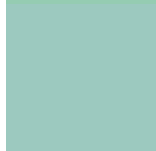
Original Color

56.0308, 0.2446, 0.3781



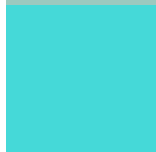
Protanomaly

52.7896, 0.2900, 0.3643



Deuteranomaly

52.6028, 0.2862, 0.3422



Tritanomaly

55.8488, 0.2345, 0.3301

Monochromacy



Original Color

56.0308, 0.2446, 0.3781



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

42.9566, 0.2745, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0308, 0.2446, 0.3781 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(52, 221, 187)` looks like.

```
.text, #text, p{  
    color:rgb(52, 221, 187)  
}
```

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(52, 221, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 221, 187) }
```

Border

The CSS property to change the border of an element to Yxy 56.0308, 0.2446, 0.3781 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(52, 221, 187) }
```

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

```
.border{ border-color:rgb(52, 221, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 221, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 221, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 221, 187);  
box-shadow:4px 4px 4px 4px rgb(52, 221,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0308, 0.2446, 0.3781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 221, 187) }
```

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

```
.background{ background-color: rgb(52, 221,  
187) }
```

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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