

Converting Colors

$Y_{xy}(41.5033, 0.2512, 0.3664)$

Have a look what the booklet for
Yxy(41.5033, 0.2512, 0.3664)
contains.

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Color

Yxy(41.5446, 0.2510, 0.3656)

Conversions

Conversions Part 1

Format	Color
Hex	4ABFA8
RGB	74, 191, 168
RGB Percent	29%, 75%, 66%
CMY	0.7099, 0.2510, 0.3411
CMYK	0.61, 0.00, 0.12, 0.25
HSL	168°, 48%, 52%
HSV	168°, 61%, 75%
XYZ	28.5221, 41.5446, 43.5673
YIQ	153.3950, -62.3490, -31.9570

Conversions

Conversions Part 2

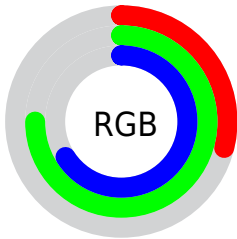
Format	Color
RYB	74, 139, 191
Decimal	4898728
CIELab	70.56, -38.34, 1.86
CIElCh	71, 38.382, 177.227
Yxy	41.5446, 0.2510, 0.3656
Android (android.graphics.Color)	4283088808 (0xFF4ABFA8)
YUV	153.3950, 7.2003, -69.6294
Hunter-Lab	64.4551, -33.8081, 5.0425

Details

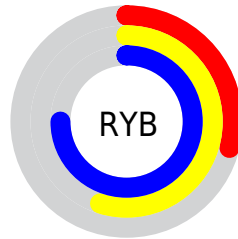
The Yxy color **41.5446, 0.2510, 0.3656** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **16.8342, 0.4651, 0.3001**, and the grayscale version is **32.0233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5308, 0.2625, 0.3589**, and **19.1523, 0.2380, 0.3768** is the 20% darker color. If you saturate the color by 10%, you get **40.7621, 0.2462, 0.3727**, and if you desaturate by 10%, it is **42.5644, 0.2577, 0.3587**.

Distribution



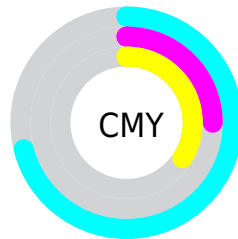
- Red (29%)
- Green (75%)
- Blue (66%)



- Red (29%)
- Yellow (55%)
- Blue (75%)



- Cyan (61%)
- Magenta (0%)
- Yellow (12%)
- Black (25%)




- Cyan (71%)
- Magenta (25%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5446, 0.2510, 0.3656 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 41.5446, 0.2510, 0.3656 by changing the saturation by 10% instead.


 41.5446, 0.2510,
0.3656

 41.5446, 0.2510,
0.3656


352.5916, 0.2823,
0.3469


 28.7449, 0.2431,
0.3704

 77.5099, 0.2625,
0.3587


 18.8879, 0.2328,
0.3767


 101.4443, 0.2668,
0.3561

 11.5893, 0.2191,
0.3851


 129.8590, 0.2704,
0.3540

 6.4647, 0.1998,
0.3971

 163.1385, 0.2735,
0.3521

 3.1296, 0.1711,
0.4154

 201.6671, 0.2761,
0.3505

 1.1998, 0.0691,
0.4745

245.8292, 0.2785,

 0.0615, 0.0000,

0.3492

1.0000

296.0093, 0.2805,
0.3479

■ 0.0000, 0.0000,
0.0000

■ 41.5446, 0.2510,
0.3656

■ 41.5446, 0.2510,
0.3656

■ 40.7621, 0.2462,
0.3727

■ 42.5644, 0.2577,
0.3587

■ 40.1905, 0.2432,
0.3798

■ 43.8357, 0.2661,
0.3521

■ 39.8058, 0.2422,
0.3869

■ 45.3769, 0.2759,
0.3458

■ 39.5794, 0.2425,
0.3930

■ 47.2036, 0.2868,
0.3399

■ 49.3301, 0.2987,
0.3345

■ 51.7698, 0.3111,
0.3296

■ 54.5351, 0.3239,
0.3251

■ 57.6378, 0.3368,
0.3212

■ 61.0893, 0.3496,
0.3177

Harmonies

Analogous

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



41.5446, 0.2995, 0.4134



41.5446, 0.2510, 0.3656



41.5446, 0.2205, 0.3093

Triad

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



41.5446, 0.2510, 0.3656



41.5446, 0.2654, 0.2433



41.5446, 0.4232, 0.3784

Complementary

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



41.5446, 0.2510, 0.3656



16.8342, 0.4651, 0.3001

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.



41.5446, 0.4142, 0.3351



41.5446, 0.2510, 0.3656



41.5446, 0.3184, 0.2612

Square

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



41.5446, 0.2510, 0.3656



41.5446, 0.2285, 0.2440



41.5446, 0.3744, 0.2937



41.5446, 0.4001, 0.4147

Rectangle

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



41.5446, 0.2510, 0.3656



41.5446, 0.2128, 0.2782



41.5446, 0.3744, 0.2937



41.5446, 0.4240, 0.3643

Sweetspot

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



41.5462, 0.2510, 0.3656



85.6166, 0.2903, 0.3383



40.3202, 0.3180, 0.5162



18.5665, 0.2869, 0.3399



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.5462, 0.2510, 0.3656



72.5590, 0.2448, 0.3754



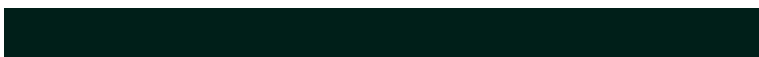
28.9591, 0.2259, 0.2715



10.7765, 0.3010, 0.3335



26.0212, 0.2423, 0.3921



1.0276, 0.2376, 0.3752

Inverse Universe

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



16.8342, 0.4651, 0.3001



24.4652, 0.5219, 0.2994



22.5268, 0.4695, 0.3750



9.5662, 0.3258, 0.3245



7.3785, 0.6059, 0.3111



0.2983, 0.5408, 0.2753

Previews

White Background



This preview shows how the Yxy color 41.5446, 0.2510, 0.3656 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 41.5446, 0.2510, 0.3656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

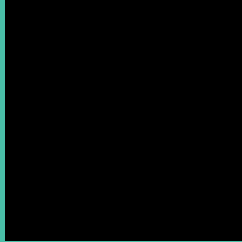
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

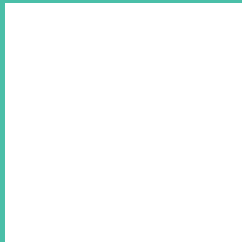
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.5446, 0.2510, 0.3656

Background



This preview shows how black text looks on a background with the Yxy color 41.5446, 0.2510, 0.3656.

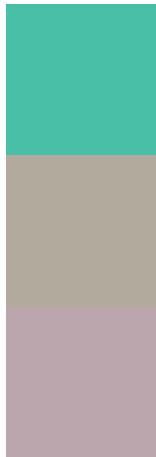


This preview shows how white text looks on a background with the Yxy color 41.5446, 0.2510, 0.3656.

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

41.5446, 0.2510, 0.3656

Protanopia

41.0251, 0.3312, 0.3483

Deuteranopia

40.8544, 0.3262, 0.3198



Tritanopia

41.3611, 0.2374, 0.3065

Trichromacy



Original Color

41.5446, 0.2510, 0.3656



Protanomaly

39.9894, 0.2939, 0.3544



Deuteranomaly

39.7112, 0.2911, 0.3348



Tritanomaly

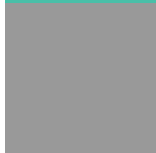
41.4344, 0.2421, 0.3273

Monochromacy



Original Color

41.5446, 0.2510, 0.3656



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.3911, 0.2825, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5446, 0.2510, 0.3656 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(74, 191, 168)` looks like.

```
.text, #text, p{  
    color:rgb(74, 191, 168)  
}
```

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(74, 191, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 191, 168) }
```

Border

The CSS property to change the border of an element to Yxy 41.5446, 0.2510, 0.3656 is called "border". The border property can be set on classes, ids or directly on the HTML element.

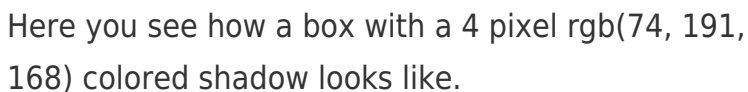
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(74, 191, 168) }
```

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

```
.border{ border-color:rgb(74, 191, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(74, 191, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(74, 191, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(74, 191, 168); box-shadow:4px 4px 4px 4px rgb(74, 191, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5446, 0.2510, 0.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 191, 168) }
```

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

```
.background{ background-color: rgb(74, 191,  
168) }
```

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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