

Converting Colors

$Y_{xy}(60.5299, 0.2431, 0.3702)$

Have a look what the booklet for
Yxy(60.5299, 0.2431, 0.3702)
contains.

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Color

Yxy(60.4636, 0.2432, 0.3706)

Conversions

Conversions Part 1

Format	Color
Hex	3AE4C6
RGB	58, 228, 198
RGB Percent	23%, 89%, 78%
CMY	0.7728, 0.1059, 0.2235
CMYK	0.75, 0.00, 0.13, 0.11
HSL	169°, 76%, 56%
HSV	169°, 75%, 89%
XYZ	39.6782, 60.4636, 63.0087
YIQ	173.7500, -91.6900, -45.3700

Conversions

Conversions Part 2

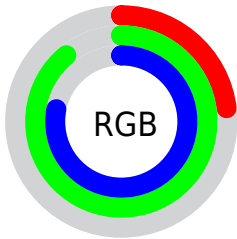
Format	Color
RYB	58, 151, 228
Decimal	3859654
CIELab	82.09, -49.11, 2.46
CIELCh	82, 49.174, 177.138
Yxy	60.4636, 0.2432, 0.3706
Android (android.graphics.Color)	4282049734 (0xFF3AE4C6)
YUV	173.7500, 11.9552, -101.5127
Hunter-Lab	77.7583, -44.9928, 6.3873

Details

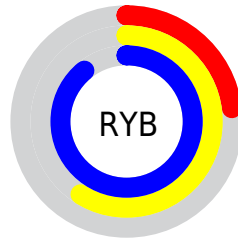
The Yxy color **60.4636, 0.2432, 0.3706** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **20.2170, 0.5284, 0.3029**, and the grayscale version is **42.1555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **31.5187, 0.2392, 0.3810** is the 20% darker color. If you saturate the color by 10%, you get **59.7450, 0.2409, 0.3770**, and if you desaturate by 10%, it is **61.4940, 0.2475, 0.3642**.

Distribution



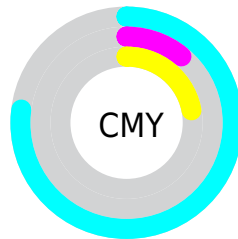
- Red (23%)
- Green (89%)
- Blue (78%)



- Red (23%)
- Yellow (59%)
- Blue (89%)



- Cyan (75%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)





- Cyan (77%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.4636, 0.2432, 0.3706 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 60.4636, 0.2432, 0.3706 by changing the saturation by 10% instead.

 60.4636, 0.2432,
0.3706


 60.4636, 0.2432,
0.3706


426.3045, 0.2763,
0.3506

 43.7924, 0.2355,
0.3754


 105.5019, 0.2548,
0.3635

 30.5073, 0.2258,
0.3813


 134.6378, 0.2593,
0.3608

 20.2240, 0.2135,
0.3890


 168.6974, 0.2631,
0.3585

 12.5580, 0.1971,
0.3993

 208.0650, 0.2665,
0.3565

 7.1249, 0.1747,
0.4137

253.1252, 0.2694,
0.3547

 3.5403, 0.1424,
0.4351

304.2622, 0.2719,

 1.4199, 0.0260,

0.3532

361.8605, 0.2742,
0.3518

0.5043

■ 0.2313, 0.0000,
0.7425

■ 0.0000, 0.0000,
0.0000

■ 60.4636, 0.2432,
0.3706

■ 60.4636, 0.2432,
0.3706

■ 59.7450, 0.2409,
0.3770

■ 61.4940, 0.2475,
0.3642


■ 59.2877, 0.2405,
0.3833

■ 62.8646, 0.2536,
0.3580


■ 59.1129, 0.2408,
0.3868

■ 64.6083, 0.2616,
0.3519


■ 66.7525, 0.2712,
0.3461

 69.3217, 0.2821,
0.3406

 72.3384, 0.2941,
0.3356

 75.8239, 0.3067,
0.3310

 79.7976, 0.3198,
0.3268

 82.7033, 0.3275,
0.3229

Harmonies

Analogous

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



60.4636, 0.2973, 0.4258



60.4636, 0.2432, 0.3706



60.4636, 0.2096, 0.3061

Triad

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



60.4636, 0.2432, 0.3706



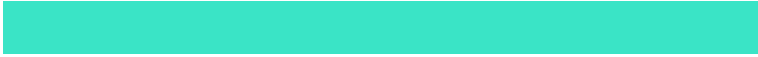
60.4636, 0.2592, 0.2336



60.4636, 0.4372, 0.3828

Complementary

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



60.4636, 0.2432, 0.3706



20.2170, 0.5284, 0.3029

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.



60.4636, 0.4275, 0.3347



60.4636, 0.2432, 0.3706



60.4636, 0.3185, 0.2534

Square

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



60.4636, 0.2432, 0.3706



60.4636, 0.2186, 0.2340



60.4636, 0.3821, 0.2891



60.4636, 0.4105, 0.4244

Rectangle

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



60.4636, 0.2432, 0.3706



60.4636, 0.2014, 0.2713



60.4636, 0.3821, 0.2891



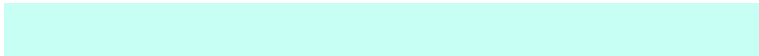
60.4636, 0.4383, 0.3670

Sweetspot

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



60.4659, 0.2432, 0.3706



90.2474, 0.2850, 0.3394



57.9249, 0.3138, 0.5569



19.1030, 0.2818, 0.3408



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.



60.4659, 0.2432, 0.3706



76.6147, 0.2404, 0.3808



36.8284, 0.2108, 0.2512



16.2905, 0.3005, 0.3332



34.1472, 0.2405, 0.3858



2.5349, 0.2379, 0.3765

Inverse Universe

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



20.2170, 0.5284, 0.3029



22.3700, 0.5900, 0.3099



28.3407, 0.5185, 0.3814



14.4093, 0.3265, 0.3249



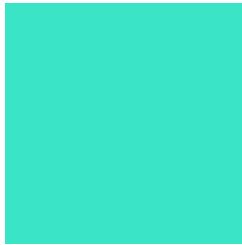
9.6257, 0.6129, 0.3150



0.7235, 0.5747, 0.2939

Previews

White Background



This preview shows how the Yxy color 60.4636, 0.2432, 0.3706 looks on a white background.

Color Contrast Check

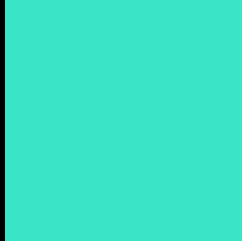
Large Text (above 18pt) WCAG AA × Fail

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 60.4636, 0.2432, 0.3706 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

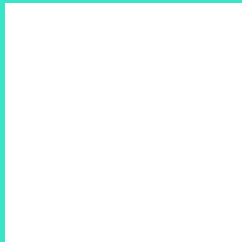
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.4636, 0.2432, 0.3706

Background



This preview shows how black text looks on a background with the Yxy color 60.4636, 0.2432, 0.3706.



This preview shows how white text looks on a background with the Yxy color 60.4636, 0.2432, 0.3706.

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

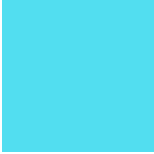
60.4636, 0.2432, 0.3706

Protanopia

59.4034, 0.3323, 0.3503

Deuteranopia

59.2598, 0.3260, 0.3189



Tritanopia

60.3277, 0.2297, 0.3057

Trichromacy



Original Color

60.4636, 0.2432, 0.3706



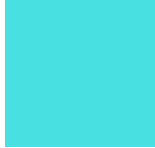
Protanomaly

57.2312, 0.2875, 0.3577



Deuteranomaly

57.0574, 0.2838, 0.3366



Tritanomaly

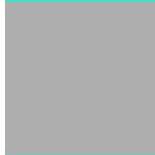
60.1640, 0.2340, 0.3274

Monochromacy



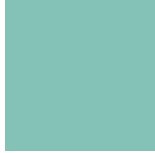
Original Color

60.4636, 0.2432, 0.3706



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

46.9080, 0.2744, 0.3445

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.4636, 0.2432, 0.3706 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(58, 228, 198)` looks like.

```
.text, #text, p{  
    color:rgb(58, 228, 198)  
}
```

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(58, 228, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 228, 198) }
```

Border

The CSS property to change the border of an element to Yxy 60.4636, 0.2432, 0.3706 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(58, 228, 198) }
```

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

```
.border{ border-color:rgb(58, 228, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 228, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 228, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 228, 198);  
box-shadow:4px 4px 4px 4px rgb(58, 228,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 60.4636, 0.2432, 0.3706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 228, 198) }
```

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

```
.background{ background-color: rgb(58, 228,  
198) }
```

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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