

Converting Colors

$Yxy(43.6246, 0.2428, 0.3410)$

Have a look what the booklet for
Yxy(43.6246, 0.2428, 0.3410)
contains.

Yxy(43.6246, 0.2428, 0.3410)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(43.6246, 0.2428, 0.3410)

Conversions

Conversions Part 1

Format	Color
Hex	4BC2BA
RGB	75, 194, 186
RGB Percent	29%, 76%, 73%
CMY	0.7056, 0.2392, 0.2705
CMYK	0.61, 0.00, 0.04, 0.24
HSL	176°, 49%, 53%
HSV	176°, 61%, 76%
XYZ	31.0617, 43.6246, 53.2450
YIQ	157.5070, -68.3560, -27.7160

Conversions

Conversions Part 2

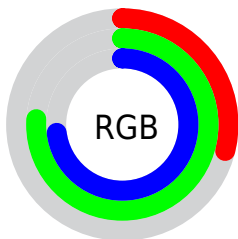
Format	Color
RYB	75, 137, 194
Decimal	4965050
CIELab	71.98, -34.81, -5.88
CIELCh	72, 35.302, 189.595
Yxy	43.6246, 0.2428, 0.3410
Android (android.graphics.Color)	4283155130 (0xFF4BC2BA)
YUV	157.5070, 14.0470, -72.3586
Hunter-Lab	66.0489, -31.6400, -1.5621

Details

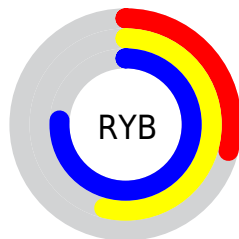
The Yxy color **43.6246, 0.2428, 0.3410** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **17.1370, 0.4914, 0.3198**, and the grayscale version is **33.9261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6394, 0.2553, 0.3393**, and **20.4496, 0.2288, 0.3438** is the 20% darker color. If you saturate the color by 10%, you get **42.9036, 0.2371, 0.3432**, and if you desaturate by 10%, it is **44.5879, 0.2504, 0.3388**.

Distribution



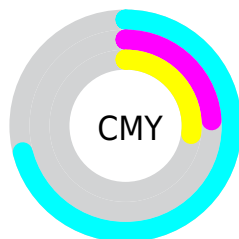
- Red (29%)
- Green (76%)
- Blue (73%)



- Red (29%)
- Yellow (54%)
- Blue (76%)



- Cyan (61%)
- Magenta (0%)
- Yellow (4%)
- Black (24%)




- Cyan (71%)
- Magenta (24%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6246, 0.2428, 0.3410 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 43.6246, 0.2428, 0.3410 by changing the saturation by 10% instead.


 43.6246, 0.2428,
0.3410

 43.6246, 0.2428,
0.3410


361.1742, 0.2775,
0.3356


 30.3755, 0.2343,
0.3421


 80.6526, 0.2553,
0.3392


 20.1238, 0.2234,
0.3435


 105.2002, 0.2601,
0.3385

 12.4850, 0.2091,
0.3450


 134.2828, 0.2641,
0.3378

 7.0749, 0.1895,
0.3466

 168.2848, 0.2675,
0.3373

 3.5090, 0.1615,
0.3480

207.5905, 0.2705,
0.3368

 1.4029, 0.1034,
0.3533

252.5844, 0.2731,

 0.2189, 0.0000,

0.3364

0.2520

303.6508, 0.2755,
0.3360

0.0000, 0.0000,
0.0000

43.6246, 0.2428,
0.3410

43.6246, 0.2428,
0.3410

42.9036, 0.2371,
0.3432

44.5879, 0.2504,
0.3388

42.3976, 0.2332,
0.3455

45.8082, 0.2598,
0.3366

42.0814, 0.2312,
0.3477

47.3048, 0.2709,
0.3346

41.9167, 0.2305,
0.3496

49.0937, 0.2832,
0.3327

51.1898, 0.2966,
0.3309

■ 53.6069, 0.3108,
0.3292

■ 56.3579, 0.3255,
0.3277

■ 59.4551, 0.3405,
0.3264

■ 62.9102, 0.3554,
0.3252

Harmonies

Analogous

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



43.6246, 0.2815, 0.3895



43.6246, 0.2428, 0.3410



43.6246, 0.2230, 0.2933

Triad

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



43.6246, 0.2428, 0.3410



43.6246, 0.2885, 0.2554



43.6246, 0.4076, 0.3896

Complementary

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



43.6246, 0.2428, 0.3410



17.1370, 0.4914, 0.3198

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.



43.6246, 0.4116, 0.3518



43.6246, 0.2428, 0.3410



43.6246, 0.3396, 0.2780

Square

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



43.6246, 0.2428, 0.3410



43.6246, 0.2477, 0.2488



43.6246, 0.3861, 0.3121



43.6246, 0.3771, 0.4158

Rectangle

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



43.6246, 0.2428, 0.3410



43.6246, 0.2218, 0.2697



43.6246, 0.3861, 0.3121



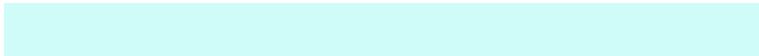
43.6246, 0.4122, 0.3778

Sweetspot

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



43.6263, 0.2428, 0.3410



90.0351, 0.2871, 0.3321



41.0213, 0.3091, 0.5217



19.4828, 0.2833, 0.3326



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.



43.6263, 0.2428, 0.3410



77.3356, 0.2353, 0.3441



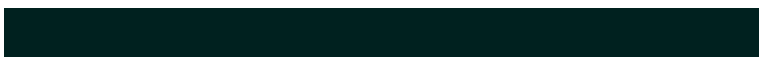
25.4760, 0.2204, 0.2475



11.4164, 0.2993, 0.3305



27.5654, 0.2304, 0.3493



1.1946, 0.2290, 0.3444

Inverse Universe

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



17.1370, 0.4914, 0.3198



25.1863, 0.5549, 0.3204



26.5508, 0.4562, 0.3932



10.0886, 0.3279, 0.3275



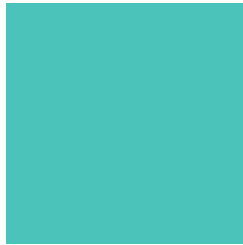
7.5644, 0.6318, 0.3254



0.3307, 0.6028, 0.3094

Previews

White Background



This preview shows how the Yxy color 43.6246, 0.2428, 0.3410 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 43.6246, 0.2428, 0.3410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

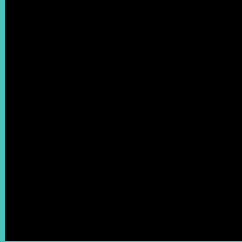
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

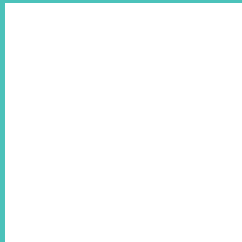
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.6246, 0.2428, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 43.6246, 0.2428, 0.3410.

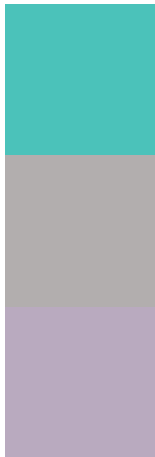


This preview shows how white text looks on a background with the Yxy color 43.6246, 0.2428, 0.3410.

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

43.6246, 0.2428, 0.3410

Protanopia

42.7931, 0.3163, 0.3290

Deuteranopia

42.8253, 0.3087, 0.3019



Tritanopia

43.6027, 0.2353, 0.3069

Trichromacy



Original Color

43.6246, 0.2428, 0.3410



Protanomaly

41.9248, 0.2825, 0.3332



Deuteranomaly

41.9341, 0.2776, 0.3148



Tritanomaly

43.5721, 0.2379, 0.3184

Monochromacy



Original Color

43.6246, 0.2428, 0.3410



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

36.5422, 0.2787, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6246, 0.2428, 0.3410 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(75, 194, 186)` looks like.

```
.text, #text, p{  
    color:rgb(75, 194, 186)  
}
```

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(75, 194, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 194, 186) }
```

Border

The CSS property to change the border of an element to Yxy 43.6246, 0.2428, 0.3410 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(75, 194, 186) }
```

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

```
.border{ border-color:rgb(75, 194, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 194, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 194, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 194, 186);  
box-shadow:4px 4px 4px 4px rgb(75, 194,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6246, 0.2428, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 194, 186) }
```

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

```
.background{ background-color: rgb(75, 194,  
186) }
```

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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