

Converting Colors

$Yxy(42.6436, 0.2455, 0.3461)$

Have a look what the booklet for
Yxy(42.6436, 0.2455, 0.3461)
contains.

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Color

Yxy(42.6133, 0.2455, 0.3459)

Conversions

Conversions Part 1

Format	Color
Hex	4DC0B5
RGB	77, 192, 181
RGB Percent	30%, 75%, 71%
CMY	0.6983, 0.2470, 0.2903
CMYK	0.60, 0.00, 0.06, 0.25
HSL	174°, 48%, 53%
HSV	174°, 60%, 75%
XYZ	30.2445, 42.6133, 50.3377
YIQ	156.3610, -65.0090, -27.8010

Conversions

Conversions Part 2

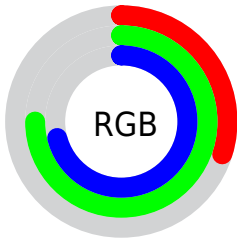
Format	Color
RYB	77, 137, 192
Decimal	5095605
CIELab	71.29, -34.90, -4.14
CIELCh	71, 35.148, 186.771
Yxy	42.6133, 0.2455, 0.3459
Android (android.graphics.Color)	4283285685 (0xFF4DC0B5)
YUV	156.3610, 12.1470, -69.5996
Hunter-Lab	65.2789, -31.5368, -0.0243

Details

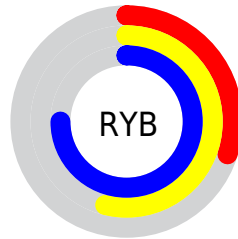
The Yxy color **42.6133, 0.2455, 0.3459** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **17.2092, 0.4796, 0.3156**, and the grayscale version is **33.3735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1842, 0.2576, 0.3429**, and **19.7355, 0.2308, 0.3507** is the 20% darker color. If you saturate the color by 10%, you get **41.8565, 0.2397, 0.3492**, and if you desaturate by 10%, it is **43.6100, 0.2532, 0.3427**.

Distribution



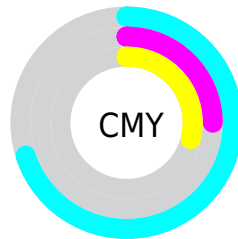
- Red (30%)
- Green (75%)
- Blue (71%)



- Red (30%)
- Yellow (54%)
- Blue (75%)



- Cyan (60%)
- Magenta (0%)
- Yellow (6%)
- Black (25%)





- Cyan (70%)
- Magenta (25%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6133, 0.2455, 0.3459 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 42.6133, 0.2455, 0.3459 by changing the saturation by 10% instead.


 42.6133, 0.2455,
0.3459


 42.6133, 0.2455,
0.3459

357.0190, 0.2791,
0.3379


 29.5818, 0.2372,
0.3478


 79.1270, 0.2577,
0.3431


 19.5214, 0.2265,
0.3501


 103.3780, 0.2623,
0.3420

 12.0476, 0.2124,
0.3529


 132.1376, 0.2662,
0.3411

 6.7761, 0.1929,
0.3566

 165.7903, 0.2695,
0.3402

 3.3225, 0.1647,
0.3611

204.7204, 0.2724,
0.3395

 1.3023, 0.0970,
0.3758

249.3122, 0.2749,

 0.1430, 0.0000,

0.3389

0.2430

299.9503, 0.2771,
0.3384

0.0000, 0.0000,
0.0000

42.6133, 0.2455,
0.3459

42.6133, 0.2455,
0.3459

41.8565, 0.2397,
0.3492

43.6100, 0.2532,
0.3427

41.3133, 0.2358,
0.3524

44.8604, 0.2626,
0.3396

40.9598, 0.2337,
0.3557

46.3833, 0.2735,
0.3367

40.7468, 0.2330,
0.3589

48.1940, 0.2857,
0.3339

40.7456, 0.2330,
0.3589

50.3069, 0.2989,
0.3313

■ 52.7354, 0.3128,
0.3290

■ 55.4919, 0.3271,
0.3269

■ 58.5885, 0.3416,
0.3250

■ 62.0363, 0.3561,
0.3233

Harmonies

Analogous

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



42.6133, 0.2858, 0.3936



42.6133, 0.2455, 0.3459



42.6133, 0.2237, 0.2972

Triad

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



42.6133, 0.2455, 0.3459



42.6133, 0.2840, 0.2538



42.6133, 0.4095, 0.3866

Complementary

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



42.6133, 0.2455, 0.3459



17.2092, 0.4796, 0.3156

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.



42.6133, 0.4108, 0.3480



42.6133, 0.2455, 0.3459



42.6133, 0.3347, 0.2751

Square

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



42.6133, 0.2455, 0.3459



42.6133, 0.2445, 0.2489



42.6133, 0.3826, 0.3085



42.6133, 0.3811, 0.4145

Rectangle

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



42.6133, 0.2455, 0.3459



42.6133, 0.2211, 0.2724



42.6133, 0.3826, 0.3085



42.6133, 0.4133, 0.3744

Sweetspot

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



42.6149, 0.2455, 0.3459



87.9052, 0.2878, 0.3335



40.3355, 0.3105, 0.5164



18.6343, 0.2841, 0.3342



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.



42.6149, 0.2455, 0.3459



75.4738, 0.2382, 0.3502



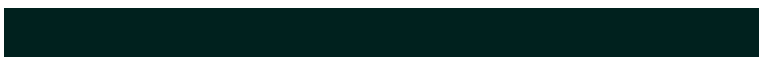
25.9319, 0.2230, 0.2531



11.4113, 0.2997, 0.3312



27.4198, 0.2329, 0.3585



1.1897, 0.2309, 0.3513

Inverse Universe

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



17.2092, 0.4796, 0.3156



25.3740, 0.5389, 0.3158



25.8989, 0.4537, 0.3896



10.0932, 0.3274, 0.3268



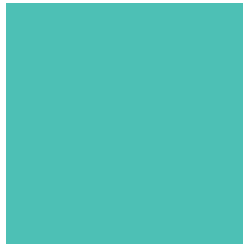
7.5764, 0.6277, 0.3231



0.3328, 0.5885, 0.3016

Previews

White Background



This preview shows how the Yxy color 42.6133, 0.2455, 0.3459 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 42.6133, 0.2455, 0.3459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

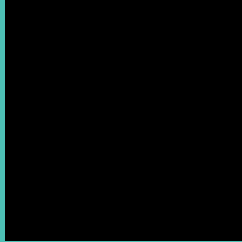
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

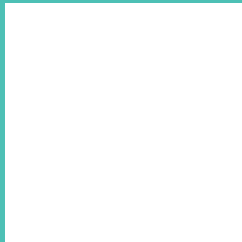
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.6133, 0.2455, 0.3459

Background



This preview shows how black text looks on a background with the Yxy color 42.6133, 0.2455, 0.3459.

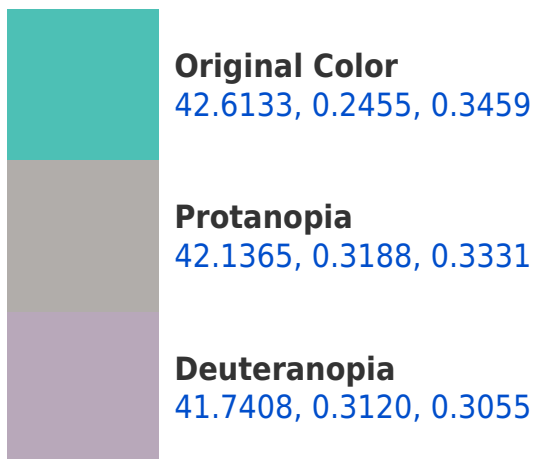


This preview shows how white text looks on a background with the Yxy color 42.6133, 0.2455, 0.3459.

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





Tritanopia

42.7333, 0.2364, 0.3068

Trichromacy



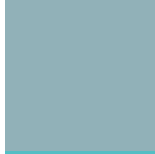
Original Color

42.6133, 0.2455, 0.3459



Protanomaly

41.3612, 0.2853, 0.3377



Deuteranomaly

40.9247, 0.2809, 0.3189



Tritanomaly

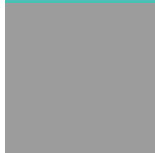
42.6514, 0.2395, 0.3198

Monochromacy



Original Color

42.6133, 0.2455, 0.3459



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

35.6046, 0.2799, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6133, 0.2455, 0.3459 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(77, 192, 181)` looks like.

```
.text, #text, p{  
    color:rgb(77, 192, 181)  
}
```

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(77, 192, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 192, 181) }
```

Border

The CSS property to change the border of an element to Yxy 42.6133, 0.2455, 0.3459 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(77, 192, 181) }
```

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

```
.border{ border-color:rgb(77, 192, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 192, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 192, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 192, 181);  
box-shadow:4px 4px 4px 4px rgb(77, 192,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6133, 0.2455, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 192, 181) }
```

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

```
.background{ background-color: rgb(77, 192,  
181) }
```

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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