

Converting Colors

$Yxy(41.9847, 0.2455, 0.3461)$

Have a look what the booklet for
Yxy(41.9847, 0.2455, 0.3461)
contains.

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Color

Yxy(42.0934, 0.2453, 0.3460)

Conversions

Conversions Part 1

Format	Color
Hex	4CBFB4
RGB	76, 191, 180
RGB Percent	30%, 75%, 71%
CMY	0.7023, 0.2509, 0.2942
CMYK	0.60, 0.00, 0.06, 0.25
HSL	174°, 47%, 52%
HSV	174°, 60%, 75%
XYZ	29.8425, 42.0934, 49.7213
YIQ	155.3610, -65.0090, -27.8010

Conversions

Conversions Part 2

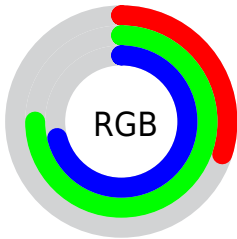
Format	Color
RYB	76, 136, 191
Decimal	5029812
CIELab	70.94, -34.89, -4.12
CIELCh	71, 35.128, 186.743
Yxy	42.0934, 0.2453, 0.3460
Android (android.graphics.Color)	4283219892 (0xFF4CBFB4)
YUV	155.3610, 12.1470, -69.5996
Hunter-Lab	64.8794, -31.4346, -0.0222

Details

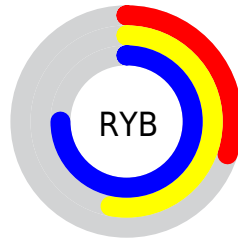
The Yxy color **42.0934, 0.2453, 0.3460** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **16.9224, 0.4809, 0.3156**, and the grayscale version is **32.9037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4252, 0.2574, 0.3429**, and **19.4236, 0.2308, 0.3509** is the 20% darker color. If you saturate the color by 10%, you get **41.3523, 0.2395, 0.3493**, and if you desaturate by 10%, it is **43.0709, 0.2529, 0.3428**.

Distribution



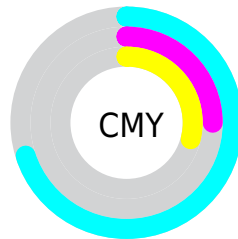
- Red (30%)
- Green (75%)
- Blue (71%)



- Red (30%)
- Yellow (53%)
- 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 42.0934, 0.2453, 0.3460 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 42.0934, 0.2453, 0.3460 by changing the saturation by 10% instead.


 42.0934, 0.2453,
0.3460

 42.0934, 0.2453,
0.3460


354.8700, 0.2791,
0.3379


 29.1744, 0.2369,
0.3479


 78.3410, 0.2576,
0.3432


 19.2128, 0.2261,
0.3502


 102.4383, 0.2622,
0.3421

 11.8242, 0.2119,
0.3531


 131.0307, 0.2661,
0.3411

 6.6241, 0.1922,
0.3568

 164.5023, 0.2694,
0.3403

 3.2281, 0.1636,
0.3614

203.2377, 0.2723,
0.3396

 1.2520, 0.0903,
0.3782

247.6211, 0.2748,

 0.1035, 0.0000,

0.3390

0.2052

298.0371, 0.2771,
0.3384

0.0000, 0.0000,
0.0000

42.0934, 0.2453,
0.3460

42.0934, 0.2453,
0.3460

41.3523, 0.2395,
0.3493

43.0709, 0.2529,
0.3428

40.8214, 0.2357,
0.3525

44.2985, 0.2623,
0.3397

40.4772, 0.2337,
0.3558

45.7947, 0.2732,
0.3368

40.2732, 0.2330,
0.3589

47.5747, 0.2853,
0.3340

49.6528, 0.2985,
0.3314

■ 52.0421, 0.3124,
0.3291

■ 54.7552, 0.3267,
0.3269

■ 57.8036, 0.3411,
0.3250

■ 61.1987, 0.3556,
0.3234

Harmonies

Analogous

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



42.0934, 0.2857, 0.3938



42.0934, 0.2453, 0.3460



42.0934, 0.2234, 0.2971

Triad

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



42.0934, 0.2453, 0.3460



42.0934, 0.2838, 0.2535



42.0934, 0.4099, 0.3867

Complementary

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



42.0934, 0.2453, 0.3460



16.9224, 0.4809, 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.



42.0934, 0.4111, 0.3480



42.0934, 0.2453, 0.3460



42.0934, 0.3348, 0.2749

Square

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



42.0934, 0.2453, 0.3460



42.0934, 0.2442, 0.2486



42.0934, 0.3828, 0.3084



42.0934, 0.3813, 0.4147

Rectangle

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



42.0934, 0.2453, 0.3460



42.0934, 0.2208, 0.2722



42.0934, 0.3828, 0.3084



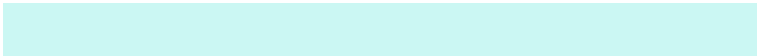
42.0934, 0.4137, 0.3744

Sweetspot

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



42.0950, 0.2453, 0.3460



85.8841, 0.2879, 0.3335



39.8348, 0.3105, 0.5174



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.



42.0950, 0.2453, 0.3460



73.7394, 0.2382, 0.3502



25.5379, 0.2226, 0.2527



10.7934, 0.2997, 0.3312



26.4694, 0.2329, 0.3585



1.0415, 0.2308, 0.3507

Inverse Universe

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



16.9224, 0.4809, 0.3156



24.8031, 0.5387, 0.3158



25.5065, 0.4546, 0.3898



9.5508, 0.3274, 0.3268



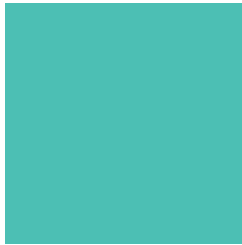
7.3142, 0.6275, 0.3230



0.2916, 0.5860, 0.3002

Previews

White Background



This preview shows how the Yxy color 42.0934, 0.2453, 0.3460 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 42.0934, 0.2453, 0.3460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

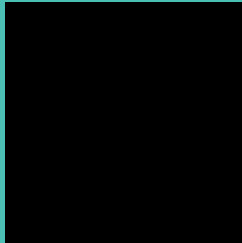
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

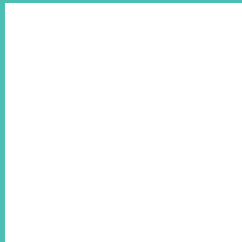
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0934, 0.2453, 0.3460

Background



This preview shows how black text looks on a background with the Yxy color 42.0934, 0.2453, 0.3460.

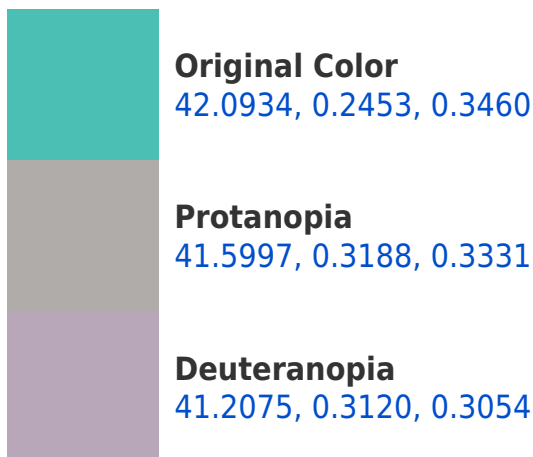


This preview shows how white text looks on a background with the Yxy color 42.0934, 0.2453, 0.3460.

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

42.2095, 0.2362, 0.3066

Trichromacy



Original Color

42.0934, 0.2453, 0.3460

Protanomaly

40.8328, 0.2852, 0.3377

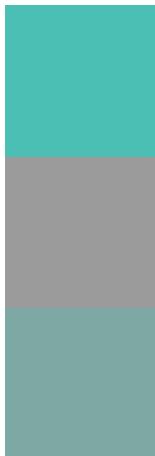
Deuteranomaly

40.3989, 0.2808, 0.3189

Tritanomaly

42.1292, 0.2393, 0.3197

Monochromacy



Original Color

42.0934, 0.2453, 0.3460

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

35.1212, 0.2797, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0934, 0.2453, 0.3460 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(76, 191, 180)` looks like.

```
.text, #text, p{  
    color:rgb(76, 191, 180)  
}
```

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(76, 191, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 191, 180) }
```

Border

The CSS property to change the border of an element to Yxy 42.0934, 0.2453, 0.3460 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(76, 191, 180) }
```

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

```
.border{ border-color:rgb(76, 191, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 191, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 191, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 191, 180);  
box-shadow:4px 4px 4px 4px rgb(76, 191,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 42.0934, 0.2453, 0.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 191, 180) }
```

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

```
.background{ background-color: rgb(76, 191,  
180) }
```

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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