

Converting Colors

$Yxy(41.3512, 0.2498, 0.3588)$

Have a look what the booklet for
Yxy(41.3512, 0.2498, 0.3588)
contains.

Yxy(41.3037, 0.2499, 0.3591)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.3037, 0.2499, 0.3591)

Conversions

Conversions Part 1

Format	Color
Hex	4CBEAB
RGB	76, 190, 171
RGB Percent	30%, 75%, 67%
CMY	0.7019, 0.2549, 0.3295
CMYK	0.60, 0.00, 0.10, 0.25
HSL	170°, 47%, 52%
HSV	170°, 60%, 75%
XYZ	28.7435, 41.3037, 44.9728
YIQ	153.7480, -61.8450, -30.0770

Conversions

Conversions Part 2

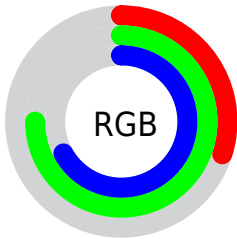
Format	Color
RYB	76, 138, 190
Decimal	5029547
CIELab	70.39, -36.75, -0.00
CIELCh	70, 36.751, 180.000
Yxy	41.3037, 0.2499, 0.3591
Android (android.graphics.Color)	4283219627 (0xFF4CBEAB)
YUV	153.7480, 8.5052, -68.1850
Hunter-Lab	64.2680, -32.6357, 3.4982

Details

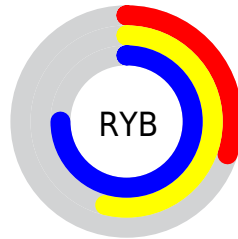
The Yxy color **41.3037, 0.2499, 0.3591** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **16.9462, 0.4658, 0.3049**, and the grayscale version is **32.1831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2468, 0.2618, 0.3540**, and **18.9402, 0.2354, 0.3675** is the 20% darker color. If you saturate the color by 10%, you get **40.5189, 0.2446, 0.3650**, and if you desaturate by 10%, it is **42.3244, 0.2571, 0.3533**.

Distribution



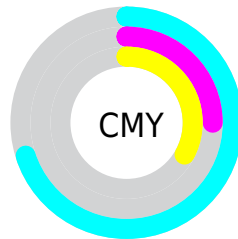
- Red (30%)
- Green (75%)
- Blue (67%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (10%)
- Black (25%)





- Cyan (70%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3037, 0.2499, 0.3591 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 41.3037, 0.2499, 0.3591 by changing the saturation by 10% instead.

 41.3037, 0.2499,
0.3591

 41.3037, 0.2499,
0.3591


351.5883, 0.2817,
0.3439

 28.5565, 0.2419,
0.3629


 77.1447, 0.2615,
0.3535


 18.7456, 0.2315,
0.3679


 101.0073, 0.2659,
0.3515

 11.4866, 0.2177,
0.3745


 129.3437, 0.2695,
0.3497

 6.3951, 0.1983,
0.3838

 162.5385, 0.2727,
0.3482

 3.0868, 0.1696,
0.3975

200.9759, 0.2754,
0.3469

 1.1772, 0.0738,
0.4434

245.0405, 0.2778,

 0.0430, 0.0000,

0.3458

0.4787

295.1165, 0.2798,
0.3448

0.0000, 0.0000,
0.0000

41.3037, 0.2499,
0.3591

41.3037, 0.2499,
0.3591

40.5189, 0.2446,
0.3650

42.3244, 0.2571,
0.3533

39.9443, 0.2412,
0.3710

43.5945, 0.2659,
0.3478

39.5568, 0.2397,
0.3769

45.1322, 0.2761,
0.3426

39.3074, 0.2397,
0.3828

46.9526, 0.2875,
0.3377

39.3072, 0.2397,
0.3828

49.0697, 0.2998,
0.3331

■ 51.4965, 0.3127,
0.3290

■ 54.2453, 0.3260,
0.3253

■ 57.3277, 0.3393,
0.3220

■ 60.7547, 0.3526,
0.3190

Harmonies

Analogous

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



41.3037, 0.2955, 0.4064



41.3037, 0.2499, 0.3591



41.3037, 0.2223, 0.3058

Triad

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



41.3037, 0.2499, 0.3591



41.3037, 0.2715, 0.2472



41.3037, 0.4180, 0.3806

Complementary

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



41.3037, 0.2499, 0.3591



16.9462, 0.4658, 0.3049

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.



41.3037, 0.4122, 0.3391



41.3037, 0.2499, 0.3591



41.3037, 0.3234, 0.2660

Square

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



41.3037, 0.2499, 0.3591



41.3037, 0.2341, 0.2463



41.3037, 0.3764, 0.2986



41.3037, 0.3934, 0.4139

Rectangle

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



41.3037, 0.2499, 0.3591



41.3037, 0.2162, 0.2769



41.3037, 0.3764, 0.2986



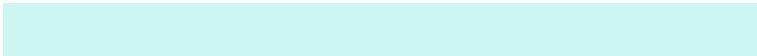
41.3037, 0.4197, 0.3671

Sweetspot

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



41.3053, 0.2499, 0.3591



85.6944, 0.2896, 0.3369



39.8875, 0.3168, 0.5129



18.5862, 0.2861, 0.3383



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.



41.3053, 0.2499, 0.3591



73.0526, 0.2433, 0.3669



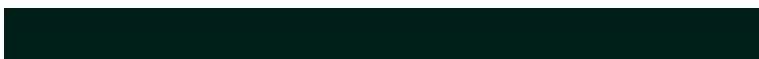
28.3362, 0.2266, 0.2696



10.7814, 0.3006, 0.3329



26.1458, 0.2395, 0.3820



1.0315, 0.2355, 0.3679

Inverse Universe

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



16.9462, 0.4658, 0.3049



25.0265, 0.5211, 0.3042



23.0832, 0.4630, 0.3770



9.5617, 0.3263, 0.3252



7.3556, 0.6134, 0.3152



0.2963, 0.5531, 0.2820

Previews

White Background



This preview shows how the Yxy color 41.3037, 0.2499, 0.3591 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 41.3037, 0.2499, 0.3591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

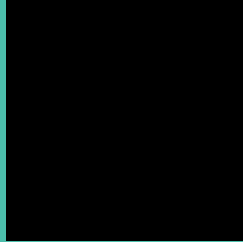
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

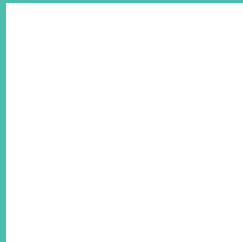
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.3037, 0.2499, 0.3591

Background



This preview shows how black text looks on a background with the Yxy color 41.3037, 0.2499, 0.3591.

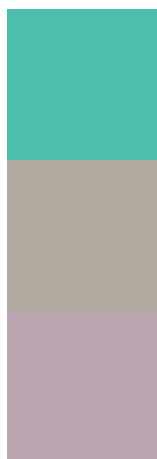


This preview shows how white text looks on a background with the Yxy color 41.3037, 0.2499, 0.3591.

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

41.3037, 0.2499, 0.3591

Protanopia

40.6346, 0.3278, 0.3428

Deuteranopia

40.7213, 0.3217, 0.3158



Tritanopia

41.4096, 0.2378, 0.3065

Trichromacy



Original Color

41.3037, 0.2499, 0.3591



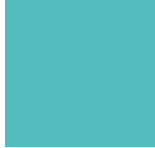
Protanomaly

39.7001, 0.2916, 0.3483



Deuteranomaly

39.7357, 0.2881, 0.3304



Tritanomaly

41.1432, 0.2421, 0.3242

Monochromacy



Original Color

41.3037, 0.2499, 0.3591



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

34.6111, 0.2826, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3037, 0.2499, 0.3591 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, 190, 171)` looks like.

```
.text, #text, p{  
    color:rgb(76, 190, 171)  
}
```

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, 190, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 190, 171) }
```

Border

The CSS property to change the border of an element to Yxy 41.3037, 0.2499, 0.3591 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, 190, 171) }
```

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

```
.border{ border-color:rgb(76, 190, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 190, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 190, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 190, 171);  
box-shadow:4px 4px 4px 4px rgb(76, 190,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3037, 0.2499, 0.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 190, 171) }
```

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

```
.background{ background-color: rgb(76, 190,  
171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor