

Converting Colors

$Y_{xy}(42.1416, 0.2520, 0.3653)$

Have a look what the booklet for
Yxy(42.1416, 0.2520, 0.3653)
contains.

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Color

Yxy(42.1416, 0.2520, 0.3653)

Conversions

Conversions Part 1

Format	Color
Hex	4DC0A9
RGB	77, 192, 169
RGB Percent	30%, 75%, 66%
CMY	0.6982, 0.2470, 0.3372
CMYK	0.60, 0.00, 0.12, 0.25
HSL	168°, 48%, 53%
HSV	168°, 60%, 75%
XYZ	29.0711, 42.1416, 44.1489
YIQ	154.9930, -61.1570, -31.5330

Conversions

Conversions Part 2

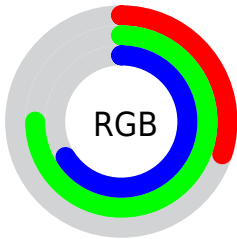
Format	Color
RYB	77, 141, 192
Decimal	5095593
CIELab	70.97, -37.98, 1.92
CIElCh	71, 38.030, 177.113
Yxy	42.1416, 0.2520, 0.3653
Android (android.graphics.Color)	4283285673 (0xFF4DC0A9)
YUV	154.9930, 6.9055, -68.3999
Hunter-Lab	64.9166, -33.6676, 5.1193

Details

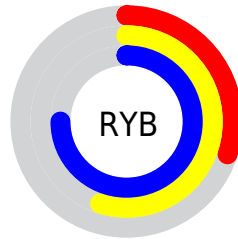
The Yxy color **42.1416, 0.2520, 0.3653** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **17.4295, 0.4592, 0.2999**, and the grayscale version is **32.7619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4515, 0.2636, 0.3587**, and **19.4613, 0.2379, 0.3764** is the 20% darker color. If you saturate the color by 10%, you get **41.3174, 0.2469, 0.3725**, and if you desaturate by 10%, it is **43.2090, 0.2589, 0.3583**.

Distribution



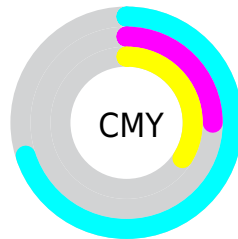
- Red (30%)
- Green (75%)
- Blue (66%)



- Red (30%)
- Yellow (55%)
- Blue (75%)



- Cyan (60%)
- Magenta (0%)
- Yellow (12%)
- Black (25%)





- Cyan (70%)
- Magenta (25%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1416, 0.2520, 0.3653 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 42.1416, 0.2520, 0.3653 by changing the saturation by 10% instead.


 42.1416, 0.2520,
0.3653


 42.1416, 0.2520,
0.3653


355.0696, 0.2828,
0.3468


 29.2122, 0.2442,
0.3701


 78.4139, 0.2633,
0.3585


 19.2414, 0.2342,
0.3762


 102.5255, 0.2675,
0.3559

 11.8448, 0.2208,
0.3845


 131.1334, 0.2710,
0.3538

 6.6381, 0.2020,
0.3964

 164.6219, 0.2740,
0.3520

 3.2368, 0.1740,
0.4143

203.3753, 0.2767,
0.3504

 1.2566, 0.0844,
0.4672

247.7782, 0.2789,

 0.1072, 0.0000,

0.3490

1.0000

298.2148, 0.2810,
0.3478

■ 0.0000, 0.0000,
0.0000

■ 42.1416, 0.2520,
0.3653

■ 42.1416, 0.2520,
0.3653

■ 41.3174, 0.2469,
0.3725

■ 43.2090, 0.2589,
0.3583

■ 40.7099, 0.2438,
0.3797

■ 44.5334, 0.2675,
0.3516

■ 40.2955, 0.2426,
0.3870

■ 46.1336, 0.2774,
0.3453

■ 40.0249, 0.2428,
0.3942

■ 48.0249, 0.2885,
0.3394

■ 40.0227, 0.2428,
0.3942

■ 50.2218, 0.3004,
0.3339

■ 52.7376, 0.3128,
0.3290

■ 55.5850, 0.3256,
0.3245

■ 58.7757, 0.3384,
0.3205

■ 62.3212, 0.3512,
0.3170

Harmonies

Analogous

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



42.1416, 0.3000, 0.4122



42.1416, 0.2520, 0.3653



42.1416, 0.2217, 0.3099

Triad

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



42.1416, 0.2520, 0.3653



42.1416, 0.2659, 0.2443



42.1416, 0.4217, 0.3778

Complementary

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



42.1416, 0.2520, 0.3653



17.4295, 0.4592, 0.2999

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.



42.1416, 0.4127, 0.3350



42.1416, 0.2520, 0.3653



42.1416, 0.3181, 0.2619

Square

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



42.1416, 0.2520, 0.3653



42.1416, 0.2294, 0.2451



42.1416, 0.3733, 0.2941



42.1416, 0.3991, 0.4135

Rectangle

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



42.1416, 0.2520, 0.3653



42.1416, 0.2141, 0.2791



42.1416, 0.3733, 0.2941



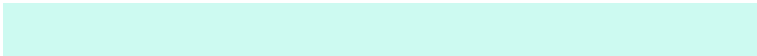
42.1416, 0.4224, 0.3638

Sweetspot

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



42.1432, 0.2520, 0.3653



87.6223, 0.2904, 0.3384



40.9446, 0.3182, 0.5120



18.5643, 0.2870, 0.3401



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.



42.1432, 0.2520, 0.3653



74.4629, 0.2457, 0.3748



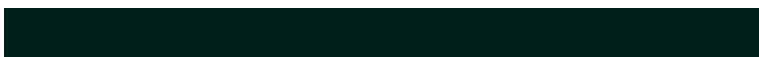
29.6638, 0.2274, 0.2730



11.3929, 0.3010, 0.3336



26.9408, 0.2426, 0.3933



1.1730, 0.2381, 0.3773

Inverse Universe

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



17.4295, 0.4592, 0.2999



25.7212, 0.5128, 0.2986



23.2162, 0.4647, 0.3744



10.1101, 0.3258, 0.3244



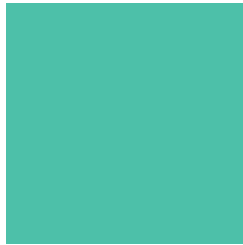
7.6455, 0.6053, 0.3108



0.3403, 0.5437, 0.2769

Previews

White Background



This preview shows how the Yxy color 42.1416, 0.2520, 0.3653 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 42.1416, 0.2520, 0.3653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

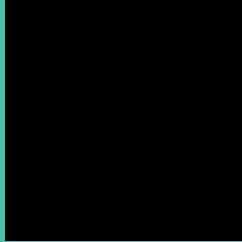
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

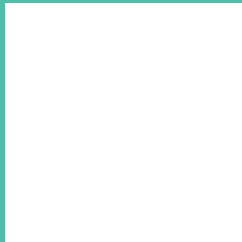
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.1416, 0.2520, 0.3653

Background



This preview shows how black text looks on a background with the Yxy color 42.1416, 0.2520, 0.3653.

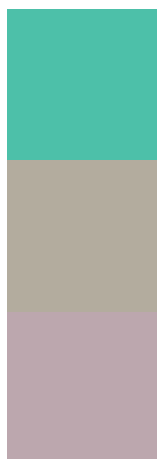


This preview shows how white text looks on a background with the Yxy color 42.1416, 0.2520, 0.3653.

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

42.1416, 0.2520, 0.3653

Protanopia

41.5574, 0.3311, 0.3482

Deuteranopia

41.3848, 0.3261, 0.3198



Tritanopia

41.9786, 0.2385, 0.3067

Trichromacy



Original Color

42.1416, 0.2520, 0.3653



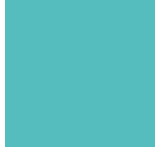
Protanomaly

40.5996, 0.2948, 0.3542



Deuteranomaly

40.3251, 0.2921, 0.3347



Tritanomaly

42.0442, 0.2432, 0.3273

Monochromacy



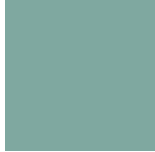
Original Color

42.1416, 0.2520, 0.3653



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.0554, 0.2835, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1416, 0.2520, 0.3653 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(77, 192, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 192, 169) }
```

Border

The CSS property to change the border of an element to Yxy 42.1416, 0.2520, 0.3653 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, 169) }
```

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

```
.border{ border-color:rgb(77, 192, 169) }
```

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, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 192, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 192, 169);  
box-shadow:4px 4px 4px 4px rgb(77, 192,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1416, 0.2520, 0.3653 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, 169) }
```

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

```
.background{ background-color: rgb(77, 192,  
169) }
```

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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