

Converting Colors

$Yxy(43.9154, 0.2337, 0.3511)$

Have a look what the booklet for
Yxy(43.9154, 0.2337, 0.3511)
contains.

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Color

Yxy(44.0831, 0.2340, 0.3523)

Conversions

Conversions Part 1

Format	Color
Hex	1EC6B7
RGB	30, 198, 183
RGB Percent	12%, 78%, 72%
CMY	0.8817, 0.2235, 0.2823
CMYK	0.85, 0.00, 0.08, 0.22
HSL	175°, 74%, 45%
HSV	175°, 85%, 78%
XYZ	29.2803, 44.0831, 51.7660
YIQ	146.0580, -95.3130, -40.2810

Conversions

Conversions Part 2

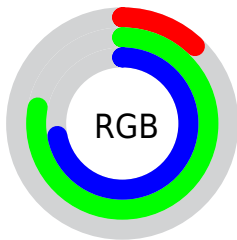
Format	Color
R _Y B	30, 118, 198
Decimal	2016951
CIE Lab	72.28, -42.85, -3.88
CIE LCh	72, 43.022, 185.177
Yxy	44.0831, 0.2340, 0.3523
Android (android.graphics.Color)	4280207031 (0xFF1EC6B7)
YUV	146.0580, 18.2124, -101.7829
Hunter-Lab	66.3951, -37.4728, 0.2501

Details

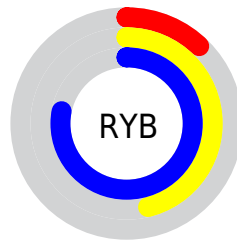
The Yxy color **44.0831, 0.2340, 0.3523** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **13.1336, 0.5893, 0.3194**, and the grayscale version is **28.7445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.0670, 0.2478, 0.3478**, and **21.2566, 0.2324, 0.3567** is the 20% darker color. If you saturate the color by 10%, you get **43.7999, 0.2327, 0.3553**, and if you desaturate by 10%, it is **44.5577, 0.2370, 0.3493**.

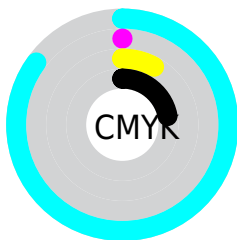
Distribution



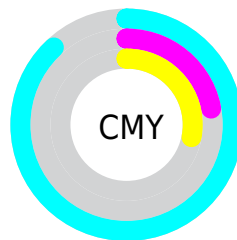
- Red (12%)
- Green (78%)
- Blue (72%)



- Red (12%)
- Yellow (46%)
- Blue (78%)



- Cyan (85%)
- Magenta (0%)
- Yellow (8%)
- Black (22%)





- Cyan (88%)
- Magenta (22%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.0831, 0.2340, 0.3523 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 44.0831, 0.2340, 0.3523 by changing the saturation by 10% instead.


 44.0831, 0.2340,
0.3523


 44.0831, 0.2340,
0.3523

363.0473, 0.2730,
0.3412


 30.7358, 0.2244,
0.3549


 81.3428, 0.2481,
0.3484


 20.3978, 0.2123,
0.3580


 106.0240, 0.2534,
0.3469


 12.6845, 0.1963,
0.3620


 135.2520, 0.2579,
0.3456

 7.2117, 0.1747,
0.3671

 169.4111, 0.2618,
0.3445

 3.5948, 0.1440,
0.3734

 208.8858, 0.2651,
0.3435

 1.4496, 0.0670,
0.3937

254.0605, 0.2681,

 0.2529, 0.0000,

0.3427

0.3162

305.3195, 0.2707,
0.3419

■ 0.0000, 0.0000,
0.0000

■ 44.0831, 0.2340,
0.3523

■ 44.0831, 0.2340,
0.3523

■ 43.7999, 0.2327,
0.3553

■ 44.5577, 0.2370,
0.3493

■ 43.6949, 0.2325,
0.3569

■ 45.2490, 0.2420,
0.3462

■ 46.1836, 0.2488,
0.3432

■ 47.3832, 0.2574,
0.3403

■ 48.8668, 0.2677,
0.3375

■ 50.6519, 0.2794,
0.3348

■ 52.7546, 0.2923,
0.3323

■ 55.1896, 0.3060,
0.3300

■ 57.9709, 0.3202,
0.3279

Harmonies

Analogous

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



44.0831, 0.2824, 0.4111



44.0831, 0.2340, 0.3523



44.0831, 0.2076, 0.2922

Triad

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



44.0831, 0.2340, 0.3523



44.0831, 0.2748, 0.2392



44.0831, 0.4301, 0.3937

Complementary

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



44.0831, 0.2340, 0.3523



13.1336, 0.5893, 0.3194

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.



44.0831, 0.4305, 0.3475



44.0831, 0.2340, 0.3523



44.0831, 0.3354, 0.2633

Square

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



44.0831, 0.2340, 0.3523



44.0831, 0.2294, 0.2341



44.0831, 0.3947, 0.3015



44.0831, 0.3963, 0.4300

Rectangle

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



44.0831, 0.2340, 0.3523



44.0831, 0.2040, 0.2622



44.0831, 0.3947, 0.3015



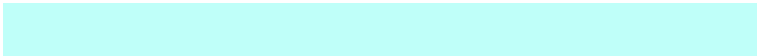
44.0831, 0.4344, 0.3788

Sweetspot

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



44.0848, 0.2340, 0.3523



89.4873, 0.2787, 0.3350



41.0850, 0.3054, 0.5810



18.9018, 0.2744, 0.3359



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.



44.0848, 0.2340, 0.3523



77.3585, 0.2326, 0.3573



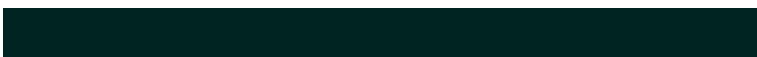
20.5529, 0.1966, 0.2146



12.0506, 0.2996, 0.3311



28.4232, 0.2324, 0.3565



1.3507, 0.2306, 0.3502

Inverse Universe

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



13.1336, 0.5893, 0.3194



21.3210, 0.6325, 0.3258



20.7056, 0.5320, 0.3959



10.6521, 0.3276, 0.3270



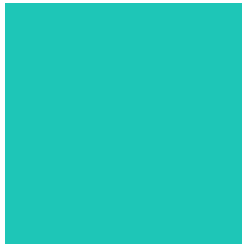
7.8410, 0.6288, 0.3238



0.3767, 0.5939, 0.3045

Previews

White Background



This preview shows how the Yxy color 44.0831, 0.2340, 0.3523 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 44.0831, 0.2340, 0.3523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

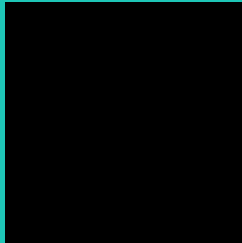
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

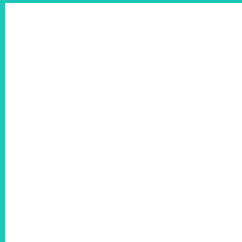
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.0831, 0.2340, 0.3523

Background



This preview shows how black text looks on a background with the Yxy color 44.0831, 0.2340, 0.3523.

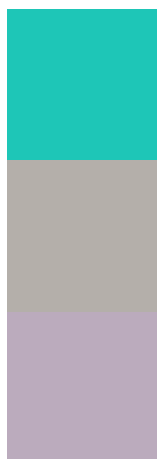


This preview shows how white text looks on a background with the Yxy color 44.0831, 0.2340, 0.3523.

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

44.0831, 0.2340, 0.3523

Protanopia

43.2655, 0.3213, 0.3357

Deuteranopia

43.3647, 0.3120, 0.3058



Tritanopia

44.0489, 0.2252, 0.3052

Trichromacy



Original Color

44.0831, 0.2340, 0.3523



Protanomaly

41.3977, 0.2739, 0.3408



Deuteranomaly

41.3814, 0.2685, 0.3202



Tritanomaly

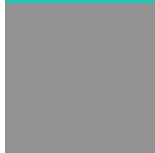
43.7812, 0.2279, 0.3212

Monochromacy



Original Color

44.0831, 0.2340, 0.3523



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

32.3565, 0.2662, 0.3389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0831, 0.2340, 0.3523 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(30, 198, 183)` looks like.

```
.text, #text, p{  
    color:rgb(30, 198, 183)  
}
```

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(30, 198, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 198, 183) }
```

Border

The CSS property to change the border of an element to Yxy 44.0831, 0.2340, 0.3523 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(30, 198, 183) }
```

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

```
.border{ border-color:rgb(30, 198, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 198, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 198, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 198, 183);  
box-shadow:4px 4px 4px 4px rgb(30, 198,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0831, 0.2340, 0.3523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 198, 183) }
```

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

```
.background{ background-color: rgb(30, 198,  
183) }
```

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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