

Converting Colors

$Y_{xy}(44.1606, 0.2358, 0.3368)$

Have a look what the booklet for
Yxy(44.1606, 0.2358, 0.3368)
contains.

Yxy(44.1713, 0.2357, 0.3364)	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(44.1713, 0.2357, 0.3364)

Conversions

Conversions Part 1

Format	Color
Hex	3BC4BF
RGB	59, 196, 191
RGB Percent	23%, 77%, 75%
CMY	0.7685, 0.2314, 0.2510
CMYK	0.70, 0.00, 0.03, 0.23
HSL	178°, 54%, 50%
HSV	178°, 70%, 77%
XYZ	30.9488, 44.1713, 56.1858
YIQ	154.4670, -80.0470, -30.5990

Conversions

Conversions Part 2

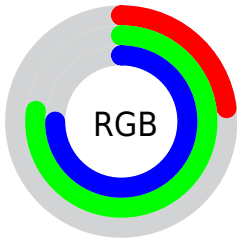
Format	Color
RYB	59, 129, 196
Decimal	3916991
CIELab	72.34, -36.80, -8.10
CIELCh	72, 37.685, 192.416
Yxy	44.1713, 0.2357, 0.3364
Android (android.graphics.Color)	4282107071 (0xFF3BC4BF)
YUV	154.4670, 18.0108, -83.7246
Hunter-Lab	66.4615, -33.1864, -3.6000

Details

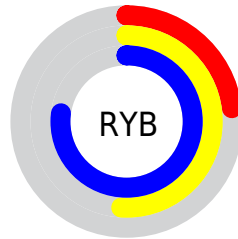
The Yxy color **44.1713, 0.2357, 0.3364** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **15.2378, 0.5378, 0.3245**, and the grayscale version is **32.4812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3259, 0.2493, 0.3358**, and **21.1810, 0.2270, 0.3372** is the 20% darker color. If you saturate the color by 10%, you get **43.6506, 0.2314, 0.3376**, and if you desaturate by 10%, it is **44.9203, 0.2419, 0.3352**.

Distribution



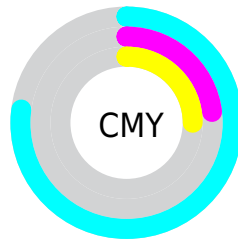
- Red (23%)
- Green (77%)
- Blue (75%)



- Red (23%)
- Yellow (51%)
- Blue (77%)



- Cyan (70%)
- Magenta (0%)
- Yellow (3%)
- Black (23%)





- Cyan (77%)
- Magenta (23%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.1713, 0.2357, 0.3364 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 44.1713, 0.2357, 0.3364 by changing the saturation by 10% instead.

 44.1713, 0.2357,
0.3364


 44.1713, 0.2357,
0.3364

363.4068, 0.2737,
0.3336

 30.8052, 0.2264,
0.3368


 81.4754, 0.2493,
0.3356

 20.4506, 0.2147,
0.3371


 106.1823, 0.2545,
0.3352


 12.7230, 0.1994,
0.3373

 135.4382, 0.2589,
0.3349

 7.2381, 0.1787,
0.3368

 169.6275, 0.2627,
0.3346

 3.6114, 0.1495,
0.3348

 209.1346, 0.2660,
0.3343

 1.4587, 0.0915,
0.3334

254.3439, 0.2689,

 0.2594, 0.0000,

0.3341

0.2340

305.6399, 0.2714,
0.3338

■ 0.0000, 0.0000,
0.0000

■ 44.1713, 0.2357,
0.3364

■ 44.1713, 0.2357,
0.3364

■ 43.6506, 0.2314,
0.3376

■ 44.9203, 0.2419,
0.3352

■ 43.3264, 0.2289,
0.3388

■ 45.9151, 0.2500,
0.3340

■ 43.1499, 0.2278,
0.3399

■ 47.1773, 0.2599,
0.3329

■ 43.1480, 0.2278,
0.3400

■ 48.7245, 0.2714,
0.3318

■ 50.5731, 0.2842,
0.3308

■ 52.7381, 0.2982,
0.3299

■ 55.2336, 0.3129,
0.3290

■ 58.0728, 0.3281,
0.3282

■ 61.2681, 0.3436,
0.3275

Harmonies

Analogous

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



44.1713, 0.2749, 0.3893



44.1713, 0.2357, 0.3364



44.1713, 0.2171, 0.2868

Triad

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



44.1713, 0.2357, 0.3364



44.1713, 0.2917, 0.2529



44.1713, 0.4113, 0.3962

Complementary

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



44.1713, 0.2357, 0.3364



15.2378, 0.5378, 0.3245

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.



44.1713, 0.4188, 0.3566



44.1713, 0.2357, 0.3364



44.1713, 0.3463, 0.2780

Square

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



44.1713, 0.2357, 0.3364



44.1713, 0.2471, 0.2441



44.1713, 0.3945, 0.3147



44.1713, 0.3766, 0.4227

Rectangle

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



44.1713, 0.2357, 0.3364



44.1713, 0.2173, 0.2632



44.1713, 0.3945, 0.3147



44.1713, 0.4173, 0.3838

Sweetspot

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



44.1730, 0.2357, 0.3364



91.0947, 0.2823, 0.3309



40.9507, 0.3054, 0.5492



19.2898, 0.2786, 0.3312



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.



44.1730, 0.2357, 0.3364



78.7140, 0.2298, 0.3382



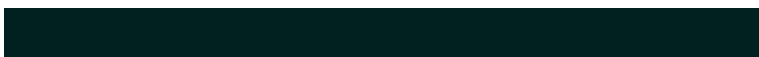
22.0679, 0.2080, 0.2256



11.4219, 0.2989, 0.3298



27.7270, 0.2277, 0.3398



1.2000, 0.2270, 0.3372

Inverse Universe

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



15.2378, 0.5378, 0.3245



23.0506, 0.6022, 0.3261



25.6465, 0.4781, 0.4039



10.0837, 0.3283, 0.3282



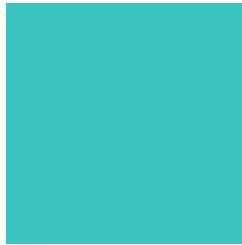
7.5536, 0.6355, 0.3275



0.3285, 0.6191, 0.3184

Previews

White Background



This preview shows how the Yxy color 44.1713, 0.2357, 0.3364 looks on a white background.

Color Contrast Check

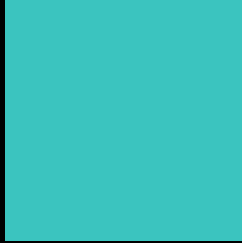
Large Text (above 18pt) WCAG AA × Fail

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 44.1713, 0.2357, 0.3364 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

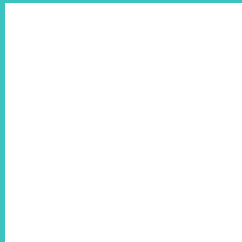
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.1713, 0.2357, 0.3364

Background



This preview shows how black text looks on a background with the Yxy color 44.1713, 0.2357, 0.3364.

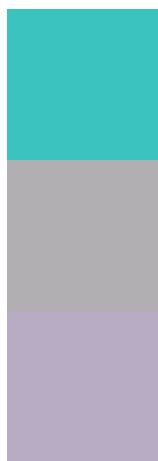


This preview shows how white text looks on a background with the Yxy color 44.1713, 0.2357, 0.3364.

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

44.1713, 0.2357, 0.3364

Protanopia

43.3796, 0.3121, 0.3237

Deuteranopia

43.3017, 0.3037, 0.2969



Tritanopia

44.0086, 0.2292, 0.3054

Trichromacy



Original Color

44.1713, 0.2357, 0.3364

Protanomaly

42.4368, 0.2749, 0.3289

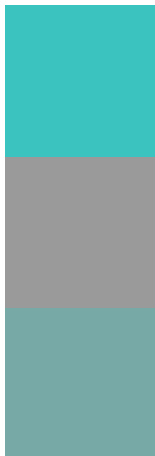
Deuteranomaly

42.0265, 0.2700, 0.3091

Tritanomaly

43.9717, 0.2315, 0.3169

Monochromacy



Original Color

44.1713, 0.2357, 0.3364

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

35.0879, 0.2723, 0.3320

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1713, 0.2357, 0.3364 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(59, 196, 191)` looks like.

```
.text, #text, p{  
    color:rgb(59, 196, 191)  
}
```

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(59, 196, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 196, 191) }
```

Border

The CSS property to change the border of an element to Yxy 44.1713, 0.2357, 0.3364 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(59, 196, 191) }
```

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

```
.border{ border-color:rgb(59, 196, 191) }
```

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

Here you see how a box with a 4 pixel rgb(59, 196, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 196, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 196, 191);  
box-shadow:4px 4px 4px 4px rgb(59, 196,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1713, 0.2357, 0.3364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 196, 191) }
```

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

```
.background{ background-color: rgb(59, 196,  
191) }
```

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