

Converting Colors

$Yxy(43.4871, 0.2334, 0.3254)$

Have a look what the booklet for
Yxy(43.4871, 0.2334, 0.3254)
contains.

Yxy(43.5932, 0.2335, 0.3257)	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(43.5932, 0.2335, 0.3257)

Conversions

Conversions Part 1

Format	Color
Hex	3EC2C4
RGB	62, 194, 196
RGB Percent	24%, 76%, 77%
CMY	0.7560, 0.2393, 0.2313
CMYK	0.68, 0.01, 0.00, 0.23
HSL	181°, 53%, 51%
HSV	181°, 68%, 77%
XYZ	31.2527, 43.5932, 58.9987
YIQ	154.7600, -79.3140, -27.3620

Conversions

Conversions Part 2

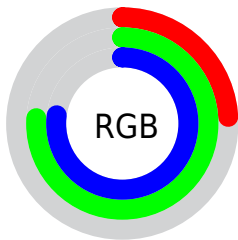
Format	Color
RYB	62, 128, 196
Decimal	4113092
CIELab	71.96, -34.01, -11.40
CIELCh	72, 35.874, 198.535
Yxy	43.5932, 0.2335, 0.3257
Android (android.graphics.Color)	4282303172 (0xFF3EC2C4)
YUV	154.7600, 20.3313, -81.3505
Hunter-Lab	66.0251, -31.0518, -6.7627

Details

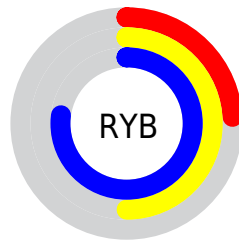
The Yxy color **43.5932, 0.2335, 0.3257** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **15.7813, 0.5359, 0.3318**, and the grayscale version is **32.6277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6754, 0.2474, 0.3265**, and **20.7092, 0.2235, 0.3246** is the 20% darker color. If you saturate the color by 10%, you get **42.9371, 0.2285, 0.3252**, and if you desaturate by 10%, it is **44.4816, 0.2404, 0.3262**.

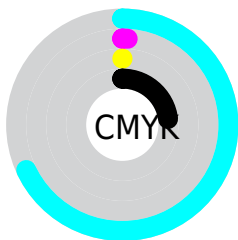
Distribution



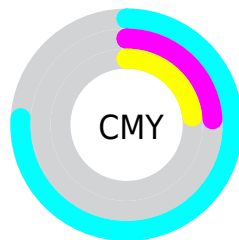
- Red (24%)
- Green (76%)
- Blue (77%)



- Red (24%)
- Yellow (50%)
- Blue (77%)



- Cyan (68%)
- Magenta (1%)
- Yellow (0%)
- Black (23%)





- Cyan (76%)
- Magenta (24%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.5932, 0.2335, 0.3257 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 43.5932, 0.2335, 0.3257 by changing the saturation by 10% instead.


 43.5932, 0.2335,
0.3257

 43.5932, 0.2335,
0.3257

361.0456, 0.2725,
0.3285


 30.3508, 0.2240,
0.3247


 80.6053, 0.2475,
0.3270

 20.1050, 0.2121,
0.3231


 105.1437, 0.2528,
0.3274

 12.4714, 0.1965,
0.3207


 134.2164, 0.2573,
0.3277

 7.0656, 0.1755,
0.3166

 168.2075, 0.2612,
0.3279

 3.5032, 0.1460,
0.3091

 207.5017, 0.2646,
0.3281

 1.3997, 0.0908,
0.2972

252.4831, 0.2675,

 0.2165, 0.0000,

0.3283

0.1731

303.5363, 0.2702,
0.3284

0.0000, 0.0000,
0.0000

43.5932, 0.2335,
0.3257

43.5932, 0.2335,
0.3257

42.9371, 0.2285,
0.3252

44.4816, 0.2404,
0.3262

42.4824, 0.2253,
0.3247

45.6193, 0.2492,
0.3267

42.1907, 0.2236,
0.3242

47.0274, 0.2598,
0.3272

42.1459, 0.2234,
0.3241

48.7236, 0.2720,
0.3277

50.7238, 0.2855,
0.3282

■ 53.0429, 0.3001,
0.3287

■ 55.6949, 0.3154,
0.3291

■ 58.6927, 0.3312,
0.3295

■ 62.0488, 0.3472,
0.3298

Harmonies

Analogous

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



43.5932, 0.2676, 0.3771



43.5932, 0.2335, 0.3257



43.5932, 0.2199, 0.2810

Triad

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



43.5932, 0.2335, 0.3257



43.5932, 0.3030, 0.2596



43.5932, 0.4023, 0.4002

Complementary

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



43.5932, 0.2335, 0.3257



15.7813, 0.5359, 0.3318

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.



43.5932, 0.4152, 0.3640



43.5932, 0.2335, 0.3257



43.5932, 0.3554, 0.2865

Square

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



43.5932, 0.2335, 0.3257



43.5932, 0.2573, 0.2477



43.5932, 0.3979, 0.3235



43.5932, 0.3651, 0.4210

Rectangle

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



43.5932, 0.2335, 0.3257



43.5932, 0.2231, 0.2609



43.5932, 0.3979, 0.3235



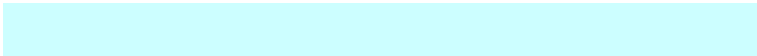
43.5932, 0.4097, 0.3892

Sweetspot

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



43.5948, 0.2335, 0.3257



91.0856, 0.2827, 0.3281



40.8669, 0.3025, 0.5466



19.2695, 0.2787, 0.3280



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.



43.5948, 0.2335, 0.3257



77.3148, 0.2267, 0.3249



20.7472, 0.2071, 0.2166



11.4014, 0.2984, 0.3286



27.0888, 0.2234, 0.3242



1.1789, 0.2237, 0.3253

Inverse Universe

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



19.1002, 0.3222, 0.1798



30.2239, 0.3237, 0.1637



27.8177, 0.4659, 0.4114



10.2448, 0.3140, 0.3066



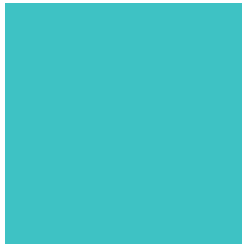
10.0169, 0.3247, 0.1562



0.4337, 0.3238, 0.1557

Previews

White Background



This preview shows how the Yxy color 43.5932, 0.2335, 0.3257 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 43.5932, 0.2335, 0.3257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

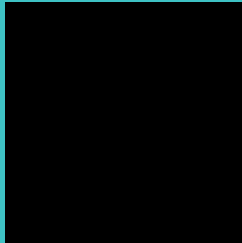
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

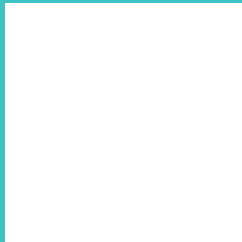
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 43.5932, 0.2335, 0.3257

Background



This preview shows how black text looks on a background with the Yxy color 43.5932, 0.2335, 0.3257.



This preview shows how white text looks on a background with the Yxy color 43.5932, 0.2335, 0.3257.

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

43.5932, 0.2335, 0.3257

Protanopia

42.9629, 0.3063, 0.3157

Deuteranopia

43.0462, 0.2964, 0.2904



Tritanopia

43.5185, 0.2293, 0.3053

Trichromacy



Original Color

43.5932, 0.2335, 0.3257



Protanomaly

41.8295, 0.2713, 0.3188



Deuteranomaly

41.6821, 0.2652, 0.3008



Tritanomaly

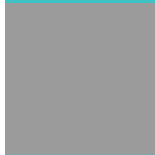
43.6929, 0.2309, 0.3125

Monochromacy



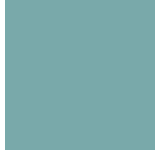
Original Color

43.5932, 0.2335, 0.3257



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.3432, 0.2716, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.5932, 0.2335, 0.3257 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(62, 194, 196)` looks like.

```
.text, #text, p{  
    color:rgb(62, 194, 196)  
}
```

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(62, 194, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 194, 196) }
```

Border

The CSS property to change the border of an element to Yxy 43.5932, 0.2335, 0.3257 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(62, 194, 196) }
```

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

```
.border{ border-color:rgb(62, 194, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 194, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 194, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 194, 196);  
box-shadow:4px 4px 4px 4px rgb(62, 194,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 43.5932, 0.2335, 0.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 194, 196) }
```

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

```
.background{ background-color: rgb(62, 194,  
196) }
```

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