

Converting Colors

$Y_{xy}(44.4198, 0.2290, 0.3205)$

Have a look what the booklet for
Yxy(44.4198, 0.2290, 0.3205)
contains.

Yxy(44.4270, 0.2292, 0.3213)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.4270, 0.2292, 0.3213)

Conversions

Conversions Part 1

Format	Color
Hex	34C4C9
RGB	52, 196, 201
RGB Percent	20%, 77%, 79%
CMY	0.7966, 0.2313, 0.2118
CMYK	0.74, 0.02, 0.00, 0.21
HSL	182°, 59%, 50%
HSV	182°, 74%, 79%
XYZ	31.6921, 44.4270, 62.1536
YIQ	153.5140, -87.4290, -28.9730

Conversions

Conversions Part 2

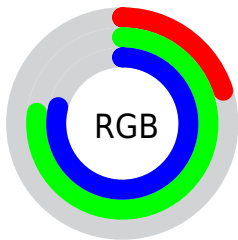
Format	Color
R _Y B	52, 125, 201
Decimal	3458249
CIE Lab	72.51, -34.81, -13.30
CIE LCh	73, 37.259, 200.911
Yxy	44.4270, 0.2292, 0.3213
Android (android.graphics.Color)	4281648329 (0xFF34C4C9)
YUV	153.5140, 23.4106, -89.0278
Hunter-Lab	66.6536, -31.7715, -8.6296

Details

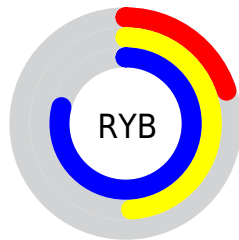
The Yxy color **44.4270, 0.2292, 0.3213** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **15.5736, 0.5614, 0.3343**, and the grayscale version is **32.0006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.6081, 0.2449, 0.3265**, and **21.4526, 0.2218, 0.3185** is the 20% darker color. If you saturate the color by 10%, you get **43.7037, 0.2251, 0.3202**, and if you desaturate by 10%, it is **45.3817, 0.2352, 0.3224**.

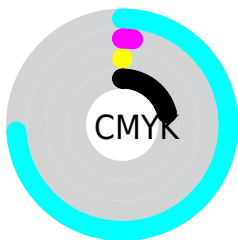
Distribution



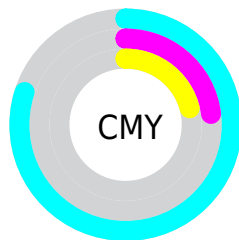
- Red (20%)
- Green (77%)
- Blue (79%)



- Red (20%)
- Yellow (49%)
- Blue (79%)



- Cyan (74%)
- Magenta (2%)
- Yellow (0%)
- Black (21%)





- Cyan (80%)
- Magenta (23%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4270, 0.2292, 0.3213 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 44.4270, 0.2292, 0.3213 by changing the saturation by 10% instead.


 44.4270, 0.2292,
0.3213


 44.4270, 0.2292,
0.3213


364.4479, 0.2700,
0.3264

 31.0063, 0.2194,
0.3196


 81.8599, 0.2438,
0.3235

 20.6037, 0.2070,
0.3173


 106.6409, 0.2493,
0.3242


 12.8346, 0.1910,
0.3137


 135.9775, 0.2541,
0.3248

 7.3148, 0.1696,
0.3081

 170.2541, 0.2581,
0.3252

 3.6597, 0.1400,
0.2983

 209.8550, 0.2617,
0.3256

 1.4851, 0.0886,
0.2819

255.1647, 0.2648,

 0.2782, 0.0000,

0.3259

0.1811

306.5675, 0.2676,
0.3262

■ 0.0000, 0.0000,
0.0000

■ 44.4270, 0.2292,
0.3213

■ 44.4270, 0.2292,
0.3213

■ 43.7037, 0.2251,
0.3202

■ 45.3817, 0.2352,
0.3224

■ 43.1756, 0.2227,
0.3191

■ 46.5885, 0.2431,
0.3235


■ 42.9258, 0.2218,
0.3185


■ 48.0713, 0.2529,
0.3247

■ 49.8498, 0.2643,
0.3257

■ 51.9420, 0.2772,
0.3268

 54.3644, 0.2913,
0.3277

 57.1325, 0.3063,
0.3286

 60.2607, 0.3218,
0.3295

 63.7624, 0.3377,
0.3302

Harmonies

Analogous

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



44.4270, 0.2627, 0.3747



44.4270, 0.2292, 0.3213



44.4270, 0.2171, 0.2764

Triad

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



44.4270, 0.2292, 0.3213



44.4270, 0.3069, 0.2593



44.4270, 0.4027, 0.4047

Complementary

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



44.4270, 0.2292, 0.3213



15.5736, 0.5614, 0.3343

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.



44.4270, 0.4185, 0.3681



44.4270, 0.2292, 0.3213



44.4270, 0.3608, 0.2880

Square

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



44.4270, 0.2292, 0.3213



44.4270, 0.2588, 0.2457



44.4270, 0.4032, 0.3264



44.4270, 0.3628, 0.4246

Rectangle

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



44.4270, 0.2292, 0.3213



44.4270, 0.2215, 0.2569



44.4270, 0.4032, 0.3264



44.4270, 0.4112, 0.3937

Sweetspot

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



44.4287, 0.2292, 0.3213



89.6805, 0.2798, 0.3269



42.7872, 0.3002, 0.5578



18.9664, 0.2760, 0.3267



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.



44.4287, 0.2292, 0.3213



74.2530, 0.2234, 0.3195



18.7300, 0.1974, 0.1962



12.0045, 0.2984, 0.3282



27.0224, 0.2219, 0.3186



1.2989, 0.2225, 0.3209

Inverse Universe

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



18.8465, 0.3262, 0.1743



28.8349, 0.3284, 0.1618



29.0028, 0.4766, 0.4205



10.8103, 0.3143, 0.3070



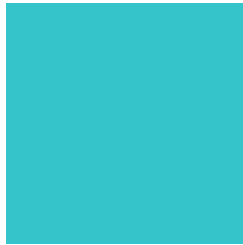
10.2679, 0.3293, 0.1588



0.4881, 0.3274, 0.1578

Previews

White Background



This preview shows how the Yxy color 44.4270, 0.2292, 0.3213 looks on a white background.

Color Contrast Check

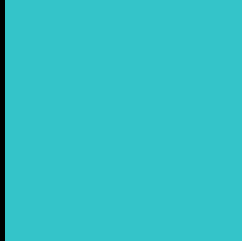
Large Text (above 18pt) WCAG AA × Fail

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 44.4270, 0.2292, 0.3213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

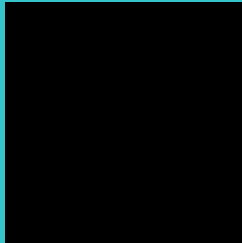
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

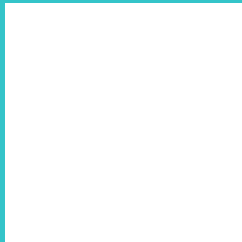
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.4270, 0.2292, 0.3213

Background



This preview shows how black text looks on a background with the Yxy color 44.4270, 0.2292, 0.3213.

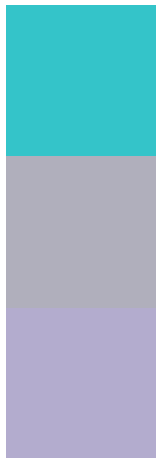


This preview shows how white text looks on a background with the Yxy color 44.4270, 0.2292, 0.3213.

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

44.4270, 0.2292, 0.3213

Protanopia

43.5209, 0.3031, 0.3118

Deuteranopia

43.5450, 0.2917, 0.2856



Tritanopia

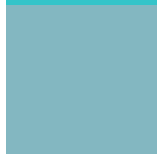
44.6132, 0.2266, 0.3068

Trichromacy



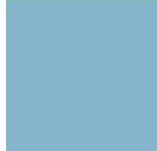
Original Color

44.4270, 0.2292, 0.3213



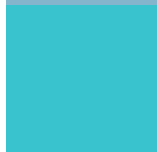
Protanomaly

42.5425, 0.2656, 0.3146



Deuteranomaly

42.3939, 0.2597, 0.2968



Tritanomaly

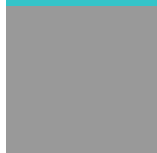
44.3760, 0.2272, 0.3110

Monochromacy



Original Color

44.4270, 0.2292, 0.3213



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.9912, 0.2679, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4270, 0.2292, 0.3213 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(52, 196, 201)` looks like.

```
.text, #text, p{  
    color:rgb(52, 196, 201)  
}
```

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(52, 196, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 196, 201) }
```

Border

The CSS property to change the border of an element to Yxy 44.4270, 0.2292, 0.3213 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(52, 196, 201) }
```

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

```
.border{ border-color:rgb(52, 196, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 196, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 196, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 196, 201);  
box-shadow:4px 4px 4px 4px rgb(52, 196,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4270, 0.2292, 0.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 196, 201) }
```

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

```
.background{ background-color: rgb(52, 196,  
201) }
```

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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