

Converting Colors

$Y_{xy}(44.4753, 0.2207, 0.3101)$

Have a look what the booklet for
Yxy(44.4753, 0.2207, 0.3101)
contains.

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Color

Yxy(44.6744, 0.2209, 0.3109)

Conversions

Conversions Part 1

Format	Color
Hex	13C5D1
RGB	19, 197, 209
RGB Percent	7%, 77%, 82%
CMY	0.9260, 0.2274, 0.1804
CMYK	0.91, 0.06, 0.00, 0.18
HSL	184°, 83%, 45%
HSV	184°, 91%, 82%
XYZ	31.7420, 44.6744, 67.2774
YIQ	145.1460, -109.9400, -34.0040

Conversions

Conversions Part 2

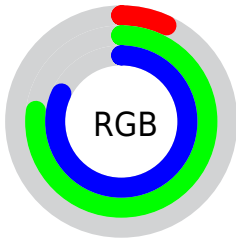
Format	Color
RYB	19, 111, 209
Decimal	1295825
CIELab	72.68, -35.33, -17.46
CIELCh	73, 39.407, 206.292
Yxy	44.6744, 0.2209, 0.3109
Android (android.graphics.Color)	4279485905 (0xFF13C5D1)
YUV	145.1460, 31.4800, -110.6300
Hunter-Lab	66.8389, -32.1980, -12.8918

Details

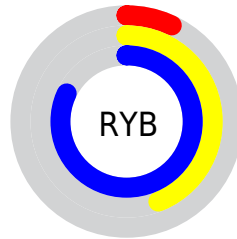
The Yxy color **44.6744, 0.2209, 0.3109** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.5767, 0.6186, 0.3352**, and the grayscale version is **28.2656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4186, 0.2411, 0.3276**, and **22.0115, 0.2181, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **44.0000, 0.2192, 0.3090**, and if you desaturate by 10%, it is **45.5874, 0.2241, 0.3130**.

Distribution



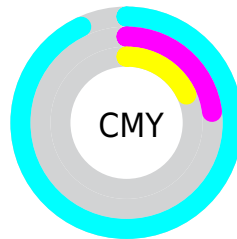
- Red (7%)
- Green (77%)
- Blue (82%)



- Red (7%)
- Yellow (44%)
- Blue (82%)



- Cyan (91%)
- Magenta (6%)
- Yellow (0%)
- Black (18%)



- Cyan (93%)
- Magenta (23%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6744, 0.2209, 0.3109 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 44.6744, 0.2209, 0.3109 by changing the saturation by 10% instead.


 44.6744, 0.2209,
0.3109


 44.6744, 0.2209,
0.3109


365.4533, 0.2654,
0.3215


 31.2010, 0.2103,
0.3078


 82.2316, 0.2367,
0.3151


 20.7520, 0.1971,
0.3036


 107.0842, 0.2428,
0.3166


 12.9428, 0.1801,
0.2976


 136.4987, 0.2479,
0.3178

 7.3892, 0.1577,
0.2885

 170.8595, 0.2524,
0.3188

 3.7067, 0.1274,
0.2738

 210.5510, 0.2563,
0.3196

 1.5109, 0.0778,
0.2494

255.9575, 0.2597,

 0.2964, 0.0000,

0.3204

0.1510

307.4634, 0.2627,
0.3210

■ 0.0000, 0.0000,
0.0000

■ 44.6744, 0.2209,
0.3109

■ 44.6744, 0.2209,
0.3109

■ 44.0000, 0.2192,
0.3090

■ 45.5874, 0.2241,
0.3130

■ 46.7297, 0.2292,
0.3152

■ 48.1352, 0.2362,
0.3173

■ 49.8308, 0.2451,
0.3194

■ 51.8399, 0.2557,
0.3215

■ 54.1838, 0.2679,
0.3235

■ 56.8816, 0.2814,
0.3254

■ 59.9512, 0.2960,
0.3272

■ 63.4090, 0.3112,
0.3288

Harmonies

Analogous

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



44.6744, 0.2522, 0.3674



44.6744, 0.2209, 0.3109



44.6744, 0.2126, 0.2669

Triad

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



44.6744, 0.2209, 0.3109



44.6744, 0.3166, 0.2602



44.6744, 0.4014, 0.4139

Complementary

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



44.6744, 0.2209, 0.3109



14.5767, 0.6186, 0.3352

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.



44.6744, 0.4237, 0.3772



44.6744, 0.2209, 0.3109



44.6744, 0.3729, 0.2925

Square

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



44.6744, 0.2209, 0.3109



44.6744, 0.2639, 0.2428



44.6744, 0.4136, 0.3338



44.6744, 0.3559, 0.4308

Rectangle

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



44.6744, 0.2209, 0.3109



44.6744, 0.2200, 0.2493



44.6744, 0.4136, 0.3338



44.6744, 0.4120, 0.4032

Sweetspot

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



44.6760, 0.2209, 0.3109



86.4557, 0.2727, 0.3242



45.8287, 0.2991, 0.5887



18.2052, 0.2682, 0.3236



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.



44.6760, 0.2209, 0.3109



68.8947, 0.2191, 0.3088



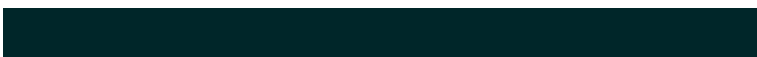
14.7289, 0.1788, 0.1570



13.2739, 0.2983, 0.3275



27.1811, 0.2193, 0.3093



1.5593, 0.2203, 0.3132

Inverse Universe

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



18.0496, 0.3357, 0.1655



27.4861, 0.3378, 0.1634



27.8802, 0.5110, 0.4246



11.9956, 0.3147, 0.3075



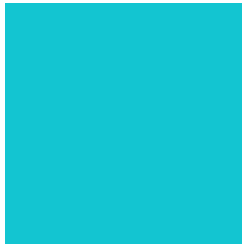
10.8152, 0.3373, 0.1632



0.6087, 0.3340, 0.1614

Previews

White Background



This preview shows how the Yxy color 44.6744, 0.2209, 0.3109 looks on a white background.

Color Contrast Check

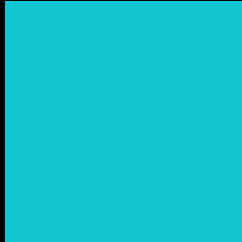
Large Text (above 18pt) WCAG AA × Fail

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 44.6744, 0.2209, 0.3109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

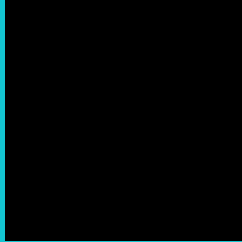
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.6744, 0.2209, 0.3109

Background



This preview shows how black text looks on a background with the Yxy color 44.6744, 0.2209, 0.3109.

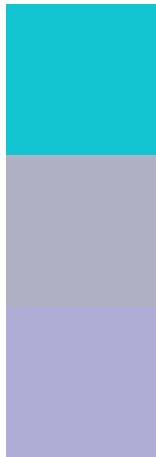


This preview shows how white text looks on a background with the Yxy color 44.6744, 0.2209, 0.3109.

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

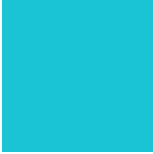
44.6744, 0.2209, 0.3109

Protanopia

44.1048, 0.2969, 0.3041

Deuteranopia

43.8561, 0.2827, 0.2770



Tritanopia

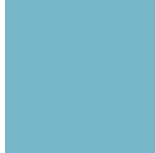
44.4529, 0.2200, 0.3051

Trichromacy



Original Color

44.6744, 0.2209, 0.3109



Protanomaly

42.3027, 0.2533, 0.3059



Deuteranomaly

42.0609, 0.2461, 0.2868



Tritanomaly

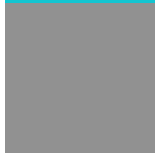
44.3652, 0.2201, 0.3065

Monochromacy



Original Color

44.6744, 0.2209, 0.3109



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.0307, 0.2564, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6744, 0.2209, 0.3109 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(19, 197, 209)` looks like.

```
.text, #text, p{  
    color:rgb(19, 197, 209)  
}
```

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(19, 197, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 197, 209) }
```

Border

The CSS property to change the border of an element to Yxy 44.6744, 0.2209, 0.3109 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(19, 197, 209) }
```

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

```
.border{ border-color:rgb(19, 197, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 197, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 197, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 197, 209);  
box-shadow:4px 4px 4px 4px rgb(19, 197,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6744, 0.2209, 0.3109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 197, 209) }
```

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

```
.background{ background-color: rgb(19, 197,  
209) }
```

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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