

Converting Colors

$Y_{xy}(48.7712, 0.2271, 0.3305)$

Have a look what the booklet for
Yxy(48.7712, 0.2271, 0.3305)
contains.

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Color

Yxy(48.7834, 0.2271, 0.3302)

Conversions

Conversions Part 1

Format	Color
Hex	1BCECD
RGB	27, 206, 205
RGB Percent	11%, 81%, 80%
CMY	0.8923, 0.1922, 0.1961
CMYK	0.87, 0.00, 0.00, 0.19
HSL	180°, 76%, 46%
HSV	180°, 87%, 81%
XYZ	33.5515, 48.7834, 65.4040
YIQ	152.3650, -106.3630, -38.2590

Conversions

Conversions Part 2

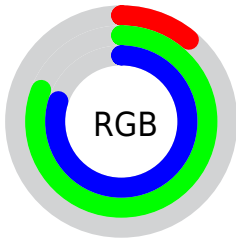
Format	Color
R_{YB}	27, 117, 206
Decimal	1822413
CIE _{Lab}	75.32, -40.24, -11.31
CIE _{LCh}	75, 41.795, 195.698
Y _{xy}	48.7834, 0.2271, 0.3302
Android (android.graphics.Color)	4280012493 (0xFF1BCECD)
YUV	152.3650, 25.9491, -109.9451
Hunter-Lab	69.8451, -36.4829, -6.6285

Details

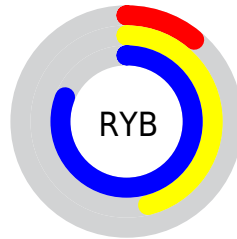
The Yxy color **48.7834, 0.2271, 0.3302** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.0124, 0.6128, 0.3294**, and the grayscale version is **31.5474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **24.3676, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **48.5845, 0.2255, 0.3304**, and if you desaturate by 10%, it is **49.1814, 0.2303, 0.3300**.

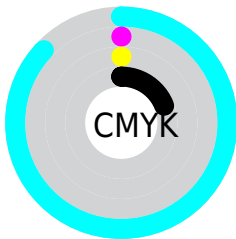
Distribution



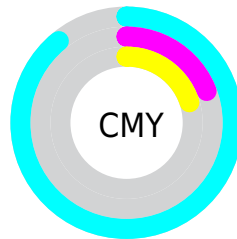
- Red (11%)
- Green (81%)
- Blue (80%)



- Red (11%)
- Yellow (46%)
- Blue (81%)



- Cyan (87%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)





- Cyan (89%)
- Magenta (19%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7834, 0.2271, 0.3302 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 48.7834, 0.2271, 0.3302 by changing the saturation by 10% instead.

 48.7834, 0.2271,
0.3302


 48.7834, 0.2271,
0.3302

381.8890, 0.2684,
0.3309

 34.4477, 0.2173,
0.3297


 88.3697, 0.2417,
0.3307


 23.2377, 0.2051,
0.3288


 114.3890, 0.2473,
0.3308

 14.7692, 0.1895,
0.3272


 145.0717, 0.2521,
0.3309

 8.6575, 0.1688,
0.3244

 180.8021, 0.2562,
0.3309

 4.5185, 0.1406,
0.3190

 221.9647, 0.2598,
0.3309

 1.9676, 0.0985,
0.3081

268.9437, 0.2630,


 0.5886, 0.0000,

0.3309


0.2803


322.1237, 0.2658,
0.3309


 0.0000, 0.0000,
0.0000


 48.7834, 0.2271,
0.3302


 48.7834, 0.2271,
0.3302

 48.5845, 0.2255,
0.3304

 49.1814, 0.2303,
0.3300

 48.5383, 0.2251,
0.3304

 49.8100, 0.2354,
0.3299

 50.6996, 0.2424,
0.3297

 51.8746, 0.2513,
0.3296

 53.3565, 0.2620,
0.3294

■ 55.1649, 0.2743,
0.3293

■ 57.3176, 0.2879,
0.3292

■ 59.8314, 0.3025,
0.3291

■ 62.7218, 0.3179,
0.3290

Harmonies

Analogous

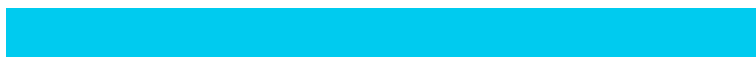
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.7834, 0.2665, 0.3884



48.7834, 0.2271, 0.3302



48.7834, 0.2102, 0.2786

Triad

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



48.7834, 0.2271, 0.3302



48.7834, 0.2962, 0.2501



48.7834, 0.4153, 0.4043

Complementary

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



48.7834, 0.2271, 0.3302



14.0124, 0.6128, 0.3294

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.



48.7834, 0.4273, 0.3628



48.7834, 0.2271, 0.3302



48.7834, 0.3549, 0.2784

Square

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



48.7834, 0.2271, 0.3302



48.7834, 0.2470, 0.2387



48.7834, 0.4049, 0.3181



48.7834, 0.3754, 0.4310

Rectangle

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



48.7834, 0.2271, 0.3302



48.7834, 0.2122, 0.2553



48.7834, 0.4049, 0.3181



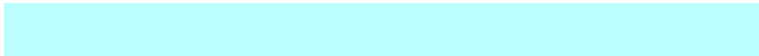
48.7834, 0.4230, 0.3914

Sweetspot

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



48.7852, 0.2271, 0.3302



89.4968, 0.2747, 0.3293



44.5021, 0.3012, 0.5873



18.9213, 0.2702, 0.3293



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.



48.7852, 0.2271, 0.3302



78.6492, 0.2251, 0.3305



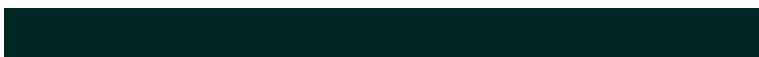
18.0581, 0.1880, 0.1857



12.7260, 0.2984, 0.3291



29.8920, 0.2251, 0.3304



1.5425, 0.2250, 0.3301

Inverse Universe

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



14.0124, 0.6128, 0.3294



21.2631, 0.6397, 0.3298



25.1818, 0.5180, 0.4122



11.2147, 0.3289, 0.3289



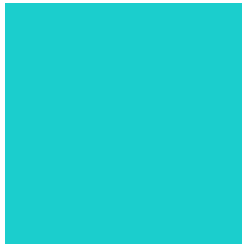
8.0820, 0.6394, 0.3296



0.4173, 0.6371, 0.3283

Previews

White Background



This preview shows how the Yxy color 48.7834, 0.2271, 0.3302 looks on a white background.

Color Contrast Check

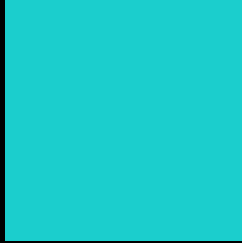
Large Text (above 18pt) WCAG AA × Fail

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 48.7834, 0.2271, 0.3302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

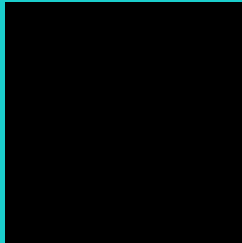
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

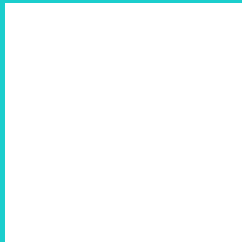
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7834, 0.2271, 0.3302

Background



This preview shows how black text looks on a background with the Yxy color 48.7834, 0.2271, 0.3302.

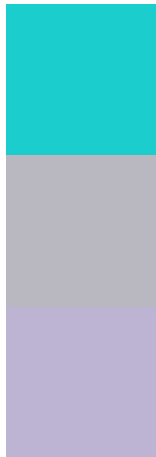


This preview shows how white text looks on a background with the Yxy color 48.7834, 0.2271, 0.3302.

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

48.7834, 0.2271, 0.3302

Protanopia

47.9428, 0.3082, 0.3188

Deuteranopia

47.7622, 0.2963, 0.2896



Tritanopia

48.9339, 0.2229, 0.3061

Trichromacy



Original Color

48.7834, 0.2271, 0.3302



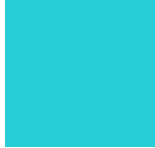
Protanomaly

45.8363, 0.2633, 0.3218



Deuteranomaly

45.7445, 0.2564, 0.3014



Tritanomaly

49.0003, 0.2242, 0.3144

Monochromacy



Original Color

48.7834, 0.2271, 0.3302



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

35.6094, 0.2610, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7834, 0.2271, 0.3302 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(27, 206, 205)` looks like.

```
.text, #text, p{  
    color:rgb(27, 206, 205)  
}
```

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(27, 206, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 206, 205) }
```

Border

The CSS property to change the border of an element to Yxy 48.7834, 0.2271, 0.3302 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(27, 206, 205) }
```

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

```
.border{ border-color:rgb(27, 206, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 206, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(27, 206, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(27, 206, 205); box-shadow:4px 4px 4px 4px rgb(27, 206, 205) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7834, 0.2271, 0.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 206, 205) }
```

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

```
.background{ background-color: rgb(27, 206,  
205) }
```

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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