

Converting Colors

$Yxy(48.1737, 0.2301, 0.3288)$

Have a look what the booklet for
Yxy(48.1737, 0.2301, 0.3288)
contains.

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Color

Yxy(48.1737, 0.2301, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	30CCCC
RGB	48, 204, 204
RGB Percent	19%, 80%, 80%
CMY	0.8111, 0.2000, 0.2001
CMYK	0.76, 0.00, 0.00, 0.20
HSL	180°, 62%, 49%
HSV	180°, 76%, 80%
XYZ	33.7128, 48.1737, 64.6272
YIQ	157.3560, -92.9760, -33.0720

Conversions

Conversions Part 2

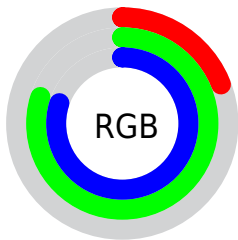
Format	Color
RYB	48, 126, 204
Decimal	3198156
CIELab	74.93, -38.02, -11.30
CIELCh	75, 39.667, 196.546
Yxy	48.1737, 0.2301, 0.3288
Android (android.graphics.Color)	4281388236 (0xFF30CCCC)
YUV	157.3560, 22.9955, -95.9052
Hunter-Lab	69.4073, -34.7609, -6.6216

Details

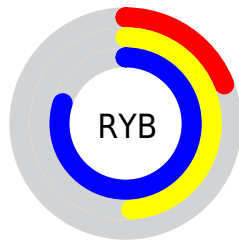
The Yxy color **48.1737, 0.2301, 0.3288** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **15.1792, 0.5757, 0.3298**, and the grayscale version is **33.8317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **23.6969, 0.2241, 0.3268** is the 20% darker color. If you saturate the color by 10%, you get **47.7865, 0.2268, 0.3288**, and if you desaturate by 10%, it is **48.7926, 0.2353, 0.3288**.

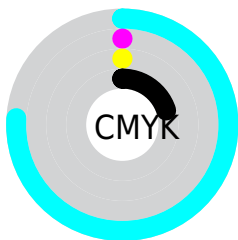
Distribution



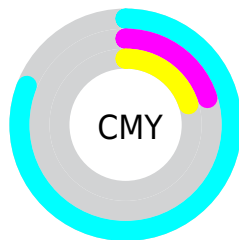
- Red (19%)
- Green (80%)
- Blue (80%)



- Red (19%)
- Yellow (49%)
- Blue (80%)



- Cyan (76%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)




- Cyan (81%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1737, 0.2301, 0.3288 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 48.1737, 0.2301, 0.3288 by changing the saturation by 10% instead.

 48.1737, 0.2301,
0.3288


 48.1737, 0.2301,
0.3288


379.4802, 0.2700,
0.3301

 33.9645, 0.2206,
0.3281


 87.4630, 0.2443,
0.3295


 22.8663, 0.2087,
0.3271


 113.3118, 0.2497,
0.3297

 14.4948, 0.1934,
0.3253


 143.8093, 0.2543,
0.3299

 8.4656, 0.1731,
0.3223

 179.3398, 0.2583,
0.3299

 4.3943, 0.1453,
0.3166

 220.2877, 0.2618,
0.3300

 1.8965, 0.1035,
0.3052

267.0375, 0.2649,

 0.5463, 0.0000,

0.3300

0.2738

319.9736, 0.2676,
0.3301

0.0000, 0.0000,
0.0000

48.1737, 0.2301,
0.3288

48.1737, 0.2301,
0.3288

47.7865, 0.2268,
0.3288

48.7926, 0.2353,
0.3288

47.5903, 0.2251,
0.3288

49.6655, 0.2424,
0.3288

47.5428, 0.2247,
0.3288

50.8179, 0.2513,
0.3288

52.2708, 0.2621,
0.3289

54.0433, 0.2745,
0.3289

■ 56.1529, 0.2881,
0.3289

■ 58.6156, 0.3029,
0.3290

■ 61.4467, 0.3184,
0.3290

■ 64.6604, 0.3343,
0.3291

Harmonies

Analogous

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



48.1737, 0.2675, 0.3840



48.1737, 0.2301, 0.3288



48.1737, 0.2144, 0.2800

Triad

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



48.1737, 0.2301, 0.3288



48.1737, 0.2986, 0.2540



48.1737, 0.4100, 0.4023

Complementary

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



48.1737, 0.2301, 0.3288



15.1792, 0.5757, 0.3298

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.



48.1737, 0.4221, 0.3629



48.1737, 0.2301, 0.3288



48.1737, 0.3546, 0.2815

Square

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



48.1737, 0.2301, 0.3288



48.1737, 0.2510, 0.2425



48.1737, 0.4016, 0.3200



48.1737, 0.3715, 0.4266

Rectangle

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



48.1737, 0.2301, 0.3288



48.1737, 0.2167, 0.2579



48.1737, 0.4016, 0.3200



48.1737, 0.4175, 0.3902

Sweetspot

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



48.1755, 0.2301, 0.3288



90.5220, 0.2786, 0.3289



44.0974, 0.3023, 0.5678



19.1184, 0.2737, 0.3289



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.



48.1755, 0.2301, 0.3288



78.8899, 0.2255, 0.3288



20.6073, 0.1982, 0.2049



12.7270, 0.2984, 0.3290



29.9244, 0.2247, 0.3288



1.5438, 0.2247, 0.3288

Inverse Universe

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



15.1792, 0.5757, 0.3298



21.8267, 0.6292, 0.3299



27.3377, 0.4915, 0.4124



11.2137, 0.3290, 0.3290



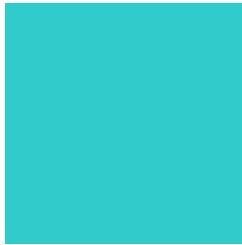
8.0801, 0.6401, 0.3300



0.4169, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 48.1737, 0.2301, 0.3288 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 48.1737, 0.2301, 0.3288 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

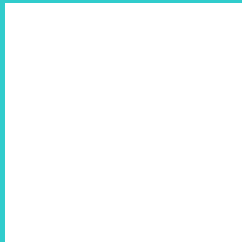
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1737, 0.2301, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 48.1737, 0.2301, 0.3288.

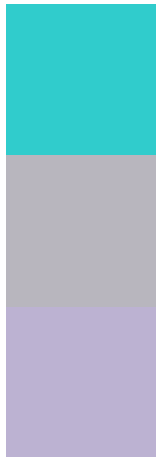


This preview shows how white text looks on a background with the Yxy color 48.1737, 0.2301, 0.3288.

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

48.1737, 0.2301, 0.3288

Protanopia

47.3639, 0.3081, 0.3187

Deuteranopia

47.1853, 0.2962, 0.2895



Tritanopia

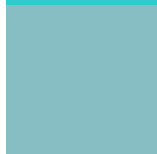
48.2328, 0.2258, 0.3061

Trichromacy



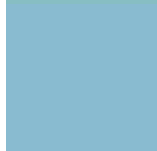
Original Color

48.1737, 0.2301, 0.3288



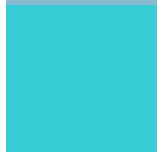
Protanomaly

45.9179, 0.2682, 0.3219



Deuteranomaly

45.4131, 0.2610, 0.3003



Tritanomaly

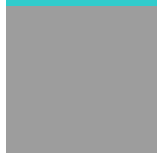
48.3282, 0.2273, 0.3144

Monochromacy



Original Color

48.1737, 0.2301, 0.3288



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

37.1100, 0.2669, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1737, 0.2301, 0.3288 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(48, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(48, 204, 204)  
}
```

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(48, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 204, 204) }
```

Border

The CSS property to change the border of an element to Yxy 48.1737, 0.2301, 0.3288 is called "border". The border property can be set on classes, ids or directly on the HTML element.

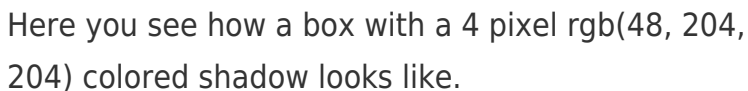
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(48, 204, 204) }
```

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

```
.border{ border-color:rgb(48, 204, 204) }
```

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



Here you see how a box with a 4 pixel `rgb(48, 204, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(48, 204,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1737, 0.2301, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 204, 204) }
```

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

```
.background{ background-color: rgb(48, 204,  
204) }
```

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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