

Converting Colors

$Y_{xy}(37.5912, 0.2238, 0.3052)$

Have a look what the booklet for
Yxy(37.5912, 0.2238, 0.3052)
contains.

Yxy(37.5912, 0.2238, 0.3052)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.5912, 0.2238, 0.3052)

Conversions

Conversions Part 1

Format	Color
Hex	2DB5C4
RGB	45, 181, 196
RGB Percent	18%, 71%, 77%
CMY	0.8238, 0.2902, 0.2315
CMYK	0.77, 0.08, 0.00, 0.23
HSL	186°, 63%, 47%
HSV	186°, 77%, 77%
XYZ	27.5652, 37.5912, 58.0126
YIQ	142.0460, -85.8710, -24.1670

Conversions

Conversions Part 2

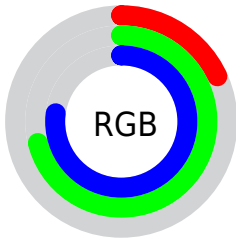
Format	Color
RYB	45, 117, 196
Decimal	2995652
CIELab	67.72, -29.89, -17.80
CIELCh	68, 34.789, 210.767
Yxy	37.5912, 0.2238, 0.3052
Android (android.graphics.Color)	4281185732 (0xFF2DB5C4)
YUV	142.0460, 26.5993, -85.1093
Hunter-Lab	61.3117, -27.0432, -13.1816

Details

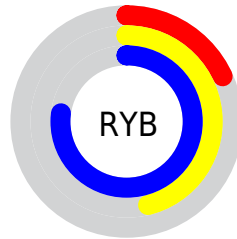
The Yxy color **37.5912, 0.2238, 0.3052** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **15.1434, 0.5636, 0.3436**, and the grayscale version is **26.9811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3732, 0.2397, 0.3098**, and **17.3913, 0.2162, 0.2984** is the 20% darker color. If you saturate the color by 10%, you get **36.4628, 0.2194, 0.3018**, and if you desaturate by 10%, it is **38.9395, 0.2301, 0.3086**.

Distribution



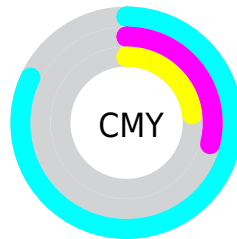
- Red (18%)
- Green (71%)
- Blue (77%)



- Red (18%)
- Yellow (46%)
- Blue (77%)



- Cyan (77%)
- Magenta (8%)
- Yellow (0%)
- Black (23%)





- Cyan (82%)
- Magenta (29%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5912, 0.2238, 0.3052 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 37.5912, 0.2238, 0.3052 by changing the saturation by 10% instead.


 37.5912, 0.2238,
0.3052


 37.5912, 0.2238,
0.3052


335.8631, 0.2682,
0.3189


 25.6656, 0.2129,
0.3012


 71.4811, 0.2399,
0.3106


 16.5736, 0.1990,
0.2958


 94.2142, 0.2459,
0.3125


 9.9310, 0.1808,
0.2880


 121.3185, 0.2511,
0.3141

 5.3532, 0.1563,
0.2760

 153.1785, 0.2555,
0.3154

 2.4560, 0.1221,
0.2563

 190.1786, 0.2593,
0.3164

 0.8545, 0.0223,
0.2317

232.7031, 0.2626,

 0.0000, 0.0000,

0.3174

0.0000

281.1365, 0.2656,
0.3182

■ 37.5912, 0.2238,
0.3052

■ 37.5912, 0.2238,
0.3052

■ 36.4628, 0.2194,
0.3018

■ 38.9395, 0.2301,
0.3086

■ 35.5154, 0.2166,
0.2984

■ 40.5288, 0.2383,
0.3120

■ 35.2538, 0.2160,
0.2975

■ 42.3824, 0.2483,
0.3154

■ 44.5193, 0.2600,
0.3186

■ 46.9569, 0.2730,
0.3217

■ 49.7113, 0.2870,
0.3246

■ 52.7971, 0.3019,
0.3272

■ 56.2283, 0.3173,
0.3297

■ 60.0178, 0.3328,
0.3319

Harmonies

Analogous

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



37.5912, 0.2504, 0.3571



37.5912, 0.2238, 0.3052



37.5912, 0.2191, 0.2665

Triad

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



37.5912, 0.2238, 0.3052



37.5912, 0.3246, 0.2680



37.5912, 0.3908, 0.4127

Complementary

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



37.5912, 0.2238, 0.3052



15.1434, 0.5636, 0.3436

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.



37.5912, 0.4153, 0.3806



37.5912, 0.2238, 0.3052



37.5912, 0.3761, 0.3002

Square

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



37.5912, 0.2238, 0.3052



37.5912, 0.2736, 0.2492



37.5912, 0.4104, 0.3401



37.5912, 0.3461, 0.4238

Rectangle

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



37.5912, 0.2238, 0.3052



37.5912, 0.2283, 0.2517



37.5912, 0.4104, 0.3401



37.5912, 0.4018, 0.4037

Sweetspot

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



37.5926, 0.2238, 0.3052



86.8705, 0.2781, 0.3228



40.3263, 0.2975, 0.5564



18.2163, 0.2730, 0.3217



0.0000, 0.0000, 0.0000



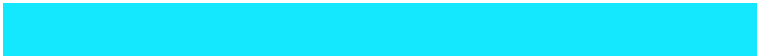
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.5926, 0.2238, 0.3052



64.9472, 0.2175, 0.2997



15.2389, 0.1908, 0.1774



11.2523, 0.2984, 0.3266



22.7295, 0.2161, 0.2979



1.0324, 0.2182, 0.3054

Inverse Universe

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



16.9413, 0.3398, 0.1797



27.5867, 0.3455, 0.1701



28.7087, 0.4742, 0.4305



10.2298, 0.3152, 0.3085



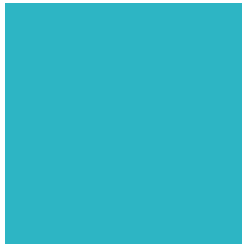
9.5768, 0.3472, 0.1687



0.4189, 0.3407, 0.1650

Previews

White Background



This preview shows how the Yxy color 37.5912, 0.2238, 0.3052 looks on a white background.

Color Contrast Check

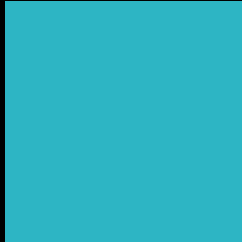
Large Text (above 18pt) WCAG AA × Fail

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 37.5912, 0.2238, 0.3052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

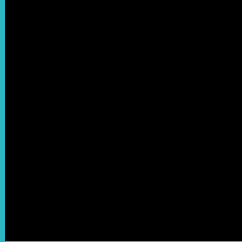
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

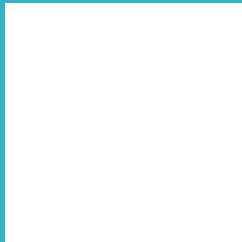
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.5912, 0.2238, 0.3052

Background



This preview shows how black text looks on a background with the Yxy color 37.5912, 0.2238, 0.3052.

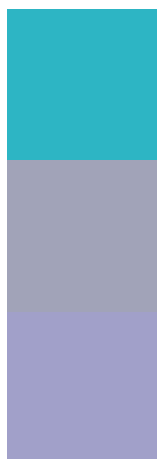


This preview shows how white text looks on a background with the Yxy color 37.5912, 0.2238, 0.3052.

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

37.5912, 0.2238, 0.3052

Protanopia

37.2321, 0.2932, 0.2996

Deuteranopia

36.9357, 0.2798, 0.2733



Tritanopia

37.5912, 0.2238, 0.3052

Trichromacy



Original Color

37.5912, 0.2238, 0.3052



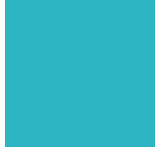
Protanomaly

36.3022, 0.2582, 0.3017



Deuteranomaly

36.0507, 0.2508, 0.2832



Tritanomaly

37.5912, 0.2238, 0.3052

Monochromacy



Original Color

37.5912, 0.2238, 0.3052



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

29.5114, 0.2644, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5912, 0.2238, 0.3052 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(45, 181, 196)` looks like.

```
.text, #text, p{  
    color:rgb(45, 181, 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(45, 181, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 181, 196) }
```

Border

The CSS property to change the border of an element to Yxy 37.5912, 0.2238, 0.3052 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(45, 181, 196) }
```

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

```
.border{ border-color:rgb(45, 181, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 181, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 181, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 181, 196);  
box-shadow:4px 4px 4px 4px rgb(45, 181,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5912, 0.2238, 0.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 181, 196) }
```

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

```
.background{ background-color: rgb(45, 181,  
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