

Converting Colors

$Y_{xy}(37.5042, 0.2178, 0.2957)$

Have a look what the booklet for
Yxy(37.5042, 0.2178, 0.2957)
contains.

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Color

Yxy(37.5450, 0.2179, 0.2960)

Conversions

Conversions Part 1

Format	Color
Hex	1BB5CA
RGB	27, 181, 202
RGB Percent	11%, 71%, 79%
CMY	0.8933, 0.2902, 0.2079
CMYK	0.87, 0.10, 0.00, 0.21
HSL	187°, 76%, 45%
HSV	187°, 87%, 79%
XYZ	27.6387, 37.5450, 61.6575
YIQ	137.3480, -98.5250, -26.1170

Conversions

Conversions Part 2

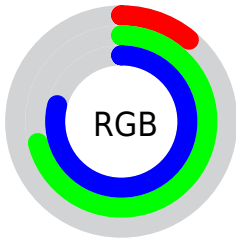
Format	Color
R _Y B	27, 109, 202
Decimal	1816010
CIE Lab	67.68, -29.45, -21.18
CIE LCh	68, 36.277, 215.725
Yxy	37.5450, 0.2179, 0.2960
Android (android.graphics.Color)	4280006090 (0xFF1BB5CA)
YUV	137.3480, 31.8734, -96.7752
Hunter-Lab	61.2740, -26.7139, -16.7693

Details

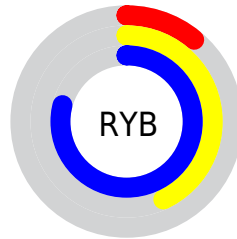
The Yxy color **37.5450, 0.2179, 0.2960** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle washed azure. A complement of this color would be **14.7645, 0.5967, 0.3439**, and the grayscale version is **25.0833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0396, 0.2364, 0.3074**, and **17.5765, 0.2129, 0.2864** is the 20% darker color. If you saturate the color by 10%, you get **36.3779, 0.2149, 0.2919**, and if you desaturate by 10%, it is **38.9195, 0.2227, 0.3002**.

Distribution



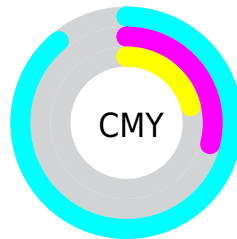
- Red (11%)
- Green (71%)
- Blue (79%)



- Red (11%)
- Yellow (43%)
- Blue (79%)



- Cyan (87%)
- Magenta (10%)
- Yellow (0%)
- Black (21%)





- Cyan (89%)
- Magenta (29%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5450, 0.2179, 0.2960 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 37.5450, 0.2179, 0.2960 by changing the saturation by 10% instead.


 37.5450, 0.2179,
0.2960

 37.5450, 0.2179,
0.2960


 335.6641, 0.2650,
0.3145


 25.6297, 0.2064,
0.2908


 71.4102, 0.2349,
0.3032

 16.5469, 0.1919,
0.2837


 94.1289, 0.2413,
0.3058


 9.9119, 0.1730,
0.2738


 121.2176, 0.2468,
0.3079

 5.3406, 0.1478,
0.2590

 153.0607, 0.2514,
0.3096

 2.4485, 0.1133,
0.2353

 190.0424, 0.2555,
0.3111

 0.8507, 0.0214,
0.2032

232.5473, 0.2591,

 0.0000, 0.0000,

0.3124

0.0000

280.9597, 0.2622,
0.3136

■ 37.5450, 0.2179,
0.2960

■ 37.5450, 0.2179,
0.2960

■ 36.3779, 0.2149,
0.2919

■ 38.9195, 0.2227,
0.3002

■ 35.9974, 0.2140,
0.2904

■ 40.5325, 0.2294,
0.3044

■ 42.4125, 0.2380,
0.3086

■ 44.5826, 0.2483,
0.3126

■ 47.0636, 0.2602,
0.3166

■ 49.8742, 0.2735,
0.3203

■ 53.0314, 0.2877,
0.3238

■ 56.5511, 0.3027,
0.3270

■ 60.4483, 0.3181,
0.3300

Harmonies

Analogous

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



37.5450, 0.2417, 0.3490



37.5450, 0.2179, 0.2960



37.5450, 0.2170, 0.2591

Triad

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



37.5450, 0.2179, 0.2960



37.5450, 0.3343, 0.2703



37.5450, 0.3873, 0.4200

Complementary

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



37.5450, 0.2179, 0.2960



14.7645, 0.5967, 0.3439

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.



37.5450, 0.4173, 0.3888



37.5450, 0.2179, 0.2960



37.5450, 0.3864, 0.3054

Square

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



37.5450, 0.2179, 0.2960



37.5450, 0.2800, 0.2482



37.5450, 0.4178, 0.3473



37.5450, 0.3385, 0.4271

Rectangle

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



37.5450, 0.2179, 0.2960



37.5450, 0.2289, 0.2463



37.5450, 0.4178, 0.3473



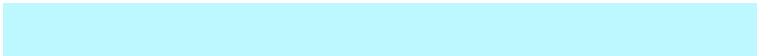
37.5450, 0.4000, 0.4115

Sweetspot

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



37.5464, 0.2179, 0.2960



84.5457, 0.2737, 0.3204



42.6801, 0.2962, 0.5721



17.7238, 0.2689, 0.3191



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.



37.5464, 0.2179, 0.2960



60.7355, 0.2139, 0.2899



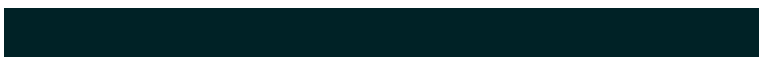
12.5415, 0.1777, 0.1473



12.4881, 0.2983, 0.3261



23.2545, 0.2142, 0.2910



1.2661, 0.2164, 0.2991

Inverse Universe

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



16.6840, 0.3484, 0.1757



26.6624, 0.3544, 0.1726



29.9590, 0.4866, 0.4389



11.3796, 0.3156, 0.3089



10.1506, 0.3534, 0.1721



0.5304, 0.3462, 0.1681

Previews

White Background



This preview shows how the Yxy color 37.5450, 0.2179, 0.2960 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 37.5450, 0.2179, 0.2960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

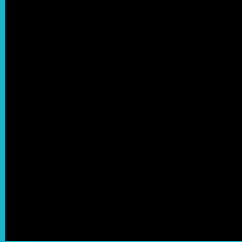
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5450, 0.2179, 0.2960

Background



This preview shows how black text looks on a background with the Yxy color 37.5450, 0.2179, 0.2960.



This preview shows how white text looks on a background with the Yxy color 37.5450, 0.2179, 0.2960.

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

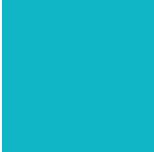
37.5450, 0.2179, 0.2960

Protanopia

36.8857, 0.2875, 0.2913

Deuteranopia

37.1628, 0.2722, 0.2668



Tritanopia

37.5973, 0.2192, 0.3050

Trichromacy



Original Color

37.5450, 0.2179, 0.2960

Protanomaly

35.6505, 0.2489, 0.2912

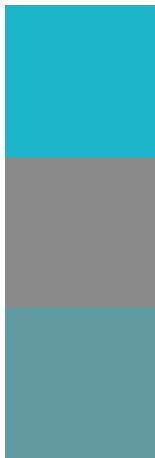
Deuteranomaly

35.7280, 0.2416, 0.2745

Tritanomaly

37.7281, 0.2187, 0.3020

Monochromacy



Original Color

37.5450, 0.2179, 0.2960

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

27.8971, 0.2569, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5450, 0.2179, 0.2960 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, 181, 202)` looks like.

```
.text, #text, p{  
    color:rgb(27, 181, 202)  
}
```

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, 181, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 181, 202) }
```

Border

The CSS property to change the border of an element to Yxy 37.5450, 0.2179, 0.2960 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, 181, 202) }
```

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

```
.border{ border-color:rgb(27, 181, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 181, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 181, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 181, 202);  
box-shadow:4px 4px 4px 4px rgb(27, 181,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5450, 0.2179, 0.2960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 181, 202) }
```

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

```
.background{ background-color: rgb(27, 181,  
202) }
```

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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