

Converting Colors

$Y_{xy}(37.7503, 0.2211, 0.3159)$

Have a look what the booklet for
Yxy(37.7503, 0.2211, 0.3159)
contains.

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Color

Yxy(37.6286, 0.2211, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	00B7BF
RGB	0, 183, 191
RGB Percent	0%, 72%, 75%
CMY	0.9993, 0.2823, 0.2511
CMYK	1.00, 0.04, 0.00, 0.25
HSL	183°, 100%, 37%
HSV	183°, 100%, 75%
XYZ	26.3364, 37.6286, 55.1505
YIQ	129.1950, -111.6360, -36.3080

Conversions

Conversions Part 2

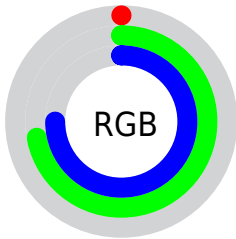
Format	Color
RYB	0, 93, 191
Decimal	47039
CIELab	67.75, -35.01, -15.04
CIElCh	68, 38.098, 203.246
Yxy	37.6286, 0.2211, 0.3159
Android (android.graphics.Color)	4278237119 (0xFF00B7BF)
YUV	129.1950, 30.4699, -113.3040
Hunter-Lab	61.3422, -30.7121, -10.3660

Details

The Yxy color **37.6286, 0.2211, 0.3159** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.2504, 0.6370, 0.3323**, and the grayscale version is **21.9638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2151, 0.2376, 0.3191**, and **17.5355, 0.2192, 0.3090** is the 20% darker color. If you saturate the color by 10%, you get **37.6259, 0.2211, 0.3159**, and if you desaturate by 10%, it is **38.1002, 0.2229, 0.3173**.

Distribution



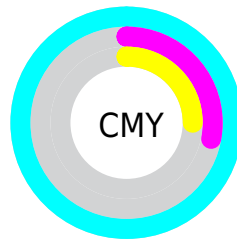
- Red (0%)
- Green (72%)
- Blue (75%)



- Red (0%)
- Yellow (36%)
- Blue (75%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (28%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6286, 0.2211, 0.3159 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 37.6286, 0.2211, 0.3159 by changing the saturation by 10% instead.


 37.6286, 0.2211,
0.3159


 37.6286, 0.2211,
0.3159


336.0241, 0.2669,
0.3242

 25.6946, 0.2098,
0.3132


 71.5385, 0.2377,
0.3193

 16.5953, 0.1954,
0.3095


 94.2832, 0.2439,
0.3205


 9.9464, 0.1767,
0.3039


 121.4002, 0.2492,
0.3214

 5.3634, 0.1513,
0.2948

 153.2739, 0.2538,
0.3222

 2.4620, 0.1160,
0.2789

 190.2888, 0.2577,
0.3228

 0.8575, 0.0000,
0.2643

232.8292, 0.2612,

 0.0000, 0.0000,

0.3234

0.0000

281.2795, 0.2642,
0.3238

■ 37.6286, 0.2211,
0.3159

■ 37.6286, 0.2211,
0.3159

■ 37.6259, 0.2211,
0.3159

■ 38.1002, 0.2229,
0.3173

■ 38.7101, 0.2262,
0.3186

■ 39.5084, 0.2312,
0.3200

■ 40.5202, 0.2382,
0.3214

■ 41.7665, 0.2470,
0.3228

■ 43.2661, 0.2576,
0.3242

■ 45.0354, 0.2697,
0.3255

■ 47.0899, 0.2832,
0.3268

■ 49.4437, 0.2976,
0.3279

Harmonies

Analogous

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



37.6286, 0.2551, 0.3742



37.6286, 0.2211, 0.3159



37.6286, 0.2102, 0.2690

Triad

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



37.6286, 0.2211, 0.3159



37.6286, 0.3107, 0.2562



37.6286, 0.4069, 0.4126

Complementary

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



37.6286, 0.2211, 0.3159



11.2504, 0.6370, 0.3323

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.



37.6286, 0.4268, 0.3737



37.6286, 0.2211, 0.3159



37.6286, 0.3688, 0.2878

Square

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



37.6286, 0.2211, 0.3159



37.6286, 0.2581, 0.2402



37.6286, 0.4131, 0.3292



37.6286, 0.3622, 0.4329

Rectangle

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



37.6286, 0.2211, 0.3159



37.6286, 0.2162, 0.2496



37.6286, 0.4131, 0.3292



37.6286, 0.4169, 0.4009

Sweetspot

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



37.6300, 0.2211, 0.3159



80.4894, 0.2690, 0.3254



37.2664, 0.2994, 0.5979



17.3669, 0.2637, 0.3249



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



37.6300, 0.2211, 0.3159



67.3141, 0.2210, 0.3157



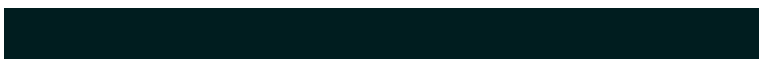
10.9418, 0.1741, 0.1466



10.7393, 0.2985, 0.3280



24.7647, 0.2211, 0.3161



0.9914, 0.2220, 0.3193

Inverse Universe

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



14.4960, 0.3317, 0.1601



25.9532, 0.3318, 0.1602



20.5632, 0.5311, 0.4164



9.6892, 0.3144, 0.3073



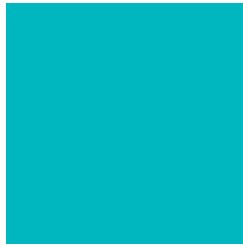
9.5297, 0.3315, 0.1600



0.3754, 0.3288, 0.1585

Previews

White Background



This preview shows how the Yxy color 37.6286, 0.2211, 0.3159 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 37.6286, 0.2211, 0.3159 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

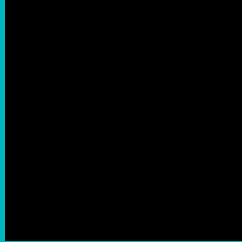
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6286, 0.2211, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 37.6286, 0.2211, 0.3159.

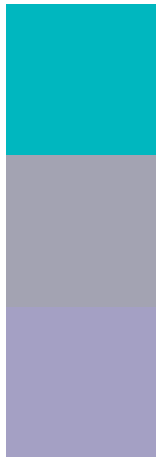


This preview shows how white text looks on a background with the Yxy color 37.6286, 0.2211, 0.3159.

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

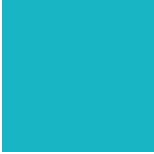
37.6286, 0.2211, 0.3159

Protanopia

37.1953, 0.2999, 0.3079

Deuteranopia

37.0196, 0.2862, 0.2799



Tritanopia

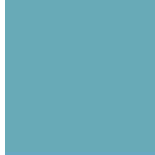
37.6813, 0.2201, 0.3050

Trichromacy



Original Color

37.6286, 0.2211, 0.3159



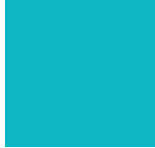
Protanomaly

35.1114, 0.2516, 0.3085



Deuteranomaly

34.8434, 0.2444, 0.2891



Tritanomaly

37.4976, 0.2200, 0.3080

Monochromacy



Original Color

37.6286, 0.2211, 0.3159



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.5557, 0.2517, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6286, 0.2211, 0.3159 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(0, 183, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 191)  
}
```

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(0, 183, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 191) }
```

Border

The CSS property to change the border of an element to Yxy 37.6286, 0.2211, 0.3159 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(0, 183, 191) }
```

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

```
.border{ border-color:rgb(0, 183, 191) }
```

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

Here you see how a box with a 4 pixel rgb(0, 183, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6286, 0.2211, 0.3159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 191) }
```

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

```
.background{ background-color: rgb(0, 183,  
191) }
```

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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