

Converting Colors

$Yxy(36.9653, 0.2202, 0.3128)$

Have a look what the booklet for
Yxy(36.9653, 0.2202, 0.3128)
contains.

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Color

Yxy(36.8093, 0.2202, 0.3126)

Conversions

Conversions Part 1

Format	Color
Hex	00B5BF
RGB	0, 181, 191
RGB Percent	0%, 71%, 75%
CMY	0.9984, 0.2902, 0.2511
CMYK	1.00, 0.05, 0.00, 0.25
HSL	183°, 100%, 38%
HSV	183°, 100%, 75%
XYZ	25.9290, 36.8093, 55.0138
YIQ	128.0210, -111.0860, -35.2620

Conversions

Conversions Part 2

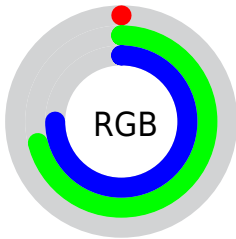
Format	Color
RYB	0, 93, 191
Decimal	46527
CIELab	67.13, -34.06, -15.96
CIELCh	67, 37.610, 205.110
Yxy	36.8093, 0.2202, 0.3126
Android (android.graphics.Color)	4278236607 (0xFF00B5BF)
YUV	128.0210, 31.0486, -112.2744
Hunter-Lab	60.6707, -29.8876, -11.2924

Details

The Yxy color **36.8093, 0.2202, 0.3126** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.2996, 0.6361, 0.3328**, and the grayscale version is **21.5568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0505, 0.2370, 0.3166**, and **17.0137, 0.2179, 0.3045** is the 20% darker color. If you saturate the color by 10%, you get **36.7993, 0.2202, 0.3126**, and if you desaturate by 10%, it is **37.3597, 0.2222, 0.3143**.

Distribution



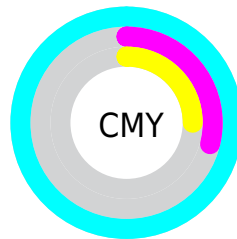
- Red (0%)
- Green (71%)
- Blue (75%)



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



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (29%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8093, 0.2202, 0.3126 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 36.8093, 0.2202, 0.3126 by changing the saturation by 10% instead.


 36.8093, 0.2202,
0.3126


 36.8093, 0.2202,
0.3126


332.4842, 0.2666,
0.3227

 25.0599, 0.2087,
0.3095


 70.2794, 0.2370,
0.3167


 16.1217, 0.1942,
0.3051


 92.7688, 0.2433,
0.3181


 9.6103, 0.1751,
0.2986


 119.6071, 0.2487,
0.3193

 5.1413, 0.1493,
0.2883

 151.1785, 0.2533,
0.3202

 2.3304, 0.1135,
0.2703

 187.8676, 0.2573,
0.3210

 0.7897, 0.0000,
0.2499

230.0586, 0.2608,

 0.0000, 0.0000,

0.3216

0.0000

278.1360, 0.2638,
0.3222

■ 36.8093, 0.2202,
0.3126

■ 36.8093, 0.2202,
0.3126

■ 36.7993, 0.2202,
0.3126

■ 37.3597, 0.2222,
0.3143

■ 38.0507, 0.2256,
0.3160

■ 38.9316, 0.2308,
0.3178

■ 40.0272, 0.2379,
0.3196

■ 41.3588, 0.2468,
0.3213

■ 42.9448, 0.2576,
0.3230

■ 44.8019, 0.2698,
0.3247

■ 46.9454, 0.2833,
0.3262

■ 49.3895, 0.2978,
0.3277

Harmonies

Analogous

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



36.8093, 0.2528, 0.3704



36.8093, 0.2202, 0.3126



36.8093, 0.2109, 0.2671

Triad

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



36.8093, 0.2202, 0.3126



36.8093, 0.3143, 0.2581



36.8093, 0.4043, 0.4141

Complementary

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



36.8093, 0.2202, 0.3126



11.2996, 0.6361, 0.3328

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.



36.8093, 0.4259, 0.3762



36.8093, 0.2202, 0.3126



36.8093, 0.3719, 0.2903

Square

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



36.8093, 0.2202, 0.3126



36.8093, 0.2612, 0.2411



36.8093, 0.4143, 0.3320



36.8093, 0.3586, 0.4326

Rectangle

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



36.8093, 0.2202, 0.3126



36.8093, 0.2178, 0.2487



36.8093, 0.4143, 0.3320



36.8093, 0.4147, 0.4029

Sweetspot

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



36.8106, 0.2202, 0.3126



80.0179, 0.2689, 0.3246



37.2754, 0.2992, 0.5968



17.2492, 0.2635, 0.3239



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.



36.8106, 0.2202, 0.3126



65.8113, 0.2201, 0.3123



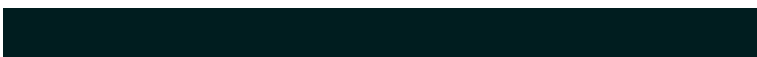
10.4450, 0.1727, 0.1415



10.7216, 0.2985, 0.3277



24.2284, 0.2202, 0.3128



0.9755, 0.2214, 0.3169

Inverse Universe

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



14.4183, 0.3345, 0.1617



25.8014, 0.3347, 0.1618



21.2223, 0.5260, 0.4204



9.6874, 0.3145, 0.3075



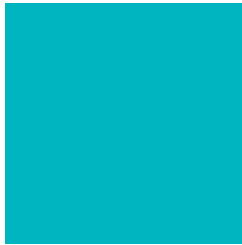
9.4756, 0.3343, 0.1615



0.3738, 0.3308, 0.1596

Previews

White Background



This preview shows how the Yxy color 36.8093, 0.2202, 0.3126 looks on a white background.

Color Contrast Check

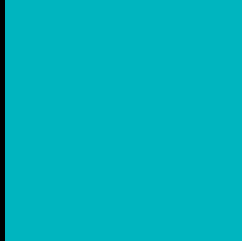
Large Text (above 18pt) WCAG AA × Fail

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 36.8093, 0.2202, 0.3126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

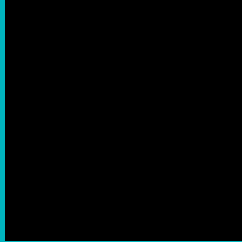
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8093, 0.2202, 0.3126

Background



This preview shows how black text looks on a background with the Yxy color 36.8093, 0.2202, 0.3126.



This preview shows how white text looks on a background with the Yxy color 36.8093, 0.2202, 0.3126.

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

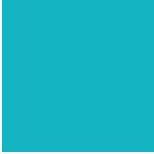
36.8093, 0.2202, 0.3126

Protanopia

36.2812, 0.2981, 0.3049

Deuteranopia

36.3589, 0.2835, 0.2782



Tritanopia

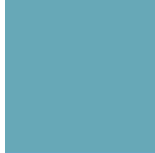
36.7314, 0.2196, 0.3048

Trichromacy



Original Color

36.8093, 0.2202, 0.3126



Protanomaly

34.3077, 0.2504, 0.3053



Deuteranomaly

34.4160, 0.2435, 0.2875



Tritanomaly

36.6231, 0.2193, 0.3063

Monochromacy



Original Color

36.8093, 0.2202, 0.3126



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

24.8956, 0.2518, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8093, 0.2202, 0.3126 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, 181, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 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, 181, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 191) }
```

Border

The CSS property to change the border of an element to Yxy 36.8093, 0.2202, 0.3126 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, 181, 191) }
```

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

```
.border{ border-color:rgb(0, 181, 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, 181, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8093, 0.2202, 0.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 191) }
```

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

```
.background{ background-color: rgb(0, 181,  
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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