

Converting Colors

$Y_{xy}(36.6005, 0.2166, 0.2991)$

Have a look what the booklet for
Yxy(36.6005, 0.2166, 0.2991)
contains.

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Color

Yxy(36.7391, 0.2169, 0.3001)

Conversions

Conversions Part 1

Format	Color
Hex	03B4C6
RGB	3, 180, 198
RGB Percent	1%, 71%, 78%
CMY	0.9882, 0.2941, 0.2234
CMYK	0.98, 0.09, 0.00, 0.22
HSL	186°, 97%, 39%
HSV	186°, 98%, 78%
XYZ	26.5535, 36.7391, 59.1302
YIQ	129.1290, -111.2700, -31.9260

Conversions

Conversions Part 2

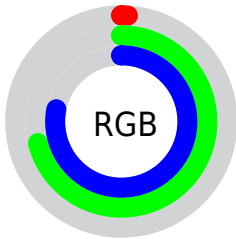
Format	Color
RYB	3, 96, 198
Decimal	242886
CIELab	67.08, -31.24, -19.93
CIELCh	67, 37.060, 212.532
Yxy	36.7391, 0.2169, 0.3001
Android (android.graphics.Color)	4278432966 (0xFF03B4C6)
YUV	129.1290, 33.9534, -110.6151
Hunter-Lab	60.6128, -27.8743, -15.4109

Details

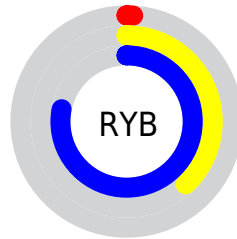
The Yxy color **36.7391, 0.2169, 0.3001** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **12.5531, 0.6305, 0.3356**, and the grayscale version is **21.9116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0357, 0.2339, 0.3060**, and **17.1924, 0.2145, 0.2921** is the 20% darker color. If you saturate the color by 10%, you get **36.6084, 0.2166, 0.2996**, and if you desaturate by 10%, it is **37.6448, 0.2194, 0.3032**.

Distribution



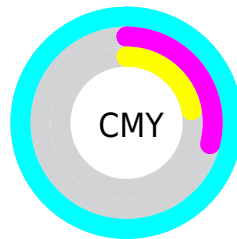
- Red (1%)
- Green (71%)
- Blue (78%)



- Red (1%)
- Yellow (38%)
- Blue (78%)



- Cyan (98%)
- Magenta (9%)
- Yellow (0%)
- Black (22%)





- Cyan (99%)
- Magenta (29%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7391, 0.2169, 0.3001 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 36.7391, 0.2169, 0.3001 by changing the saturation by 10% instead.


 36.7391, 0.2169,
0.3001


 36.7391, 0.2169,
0.3001


332.1796, 0.2647,
0.3167


 25.0056, 0.2052,
0.2953


 70.1713, 0.2342,
0.3066


 16.0812, 0.1903,
0.2888


 92.6388, 0.2407,
0.3089

 9.5816, 0.1710,
0.2795


 119.4531, 0.2462,
0.3108

 5.1225, 0.1451,
0.2654

 150.9985, 0.2510,
0.3124

 2.3193, 0.1096,
0.2422

 187.6594, 0.2551,
0.3137

 0.7839, 0.0000,
0.2128

229.8203, 0.2587,

 0.0000, 0.0000,

0.3148

0.0000

277.8656, 0.2619,
0.3158

■ 36.7391, 0.2169,
0.3001

■ 36.7391, 0.2169,
0.3001

■ 36.6084, 0.2166,
0.2996

■ 37.6448, 0.2194,
0.3032

■ 38.7238, 0.2235,
0.3064

■ 40.0197, 0.2294,
0.3096

■ 41.5591, 0.2373,
0.3127

■ 43.3648, 0.2470,
0.3159

■ 45.4567, 0.2583,
0.3189

■ 47.8529, 0.2711,
0.3218

■ 50.5701, 0.2850,
0.3245

■ 53.6234, 0.2998,
0.3270

Harmonies

Analogous

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



36.7391, 0.2437, 0.3557



36.7391, 0.2169, 0.3001



36.7391, 0.2135, 0.2601

Triad

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



36.7391, 0.2169, 0.3001



36.7391, 0.3287, 0.2657



36.7391, 0.3937, 0.4199

Complementary

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



36.7391, 0.2169, 0.3001



12.5531, 0.6305, 0.3356

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.



36.7391, 0.4219, 0.3859



36.7391, 0.2169, 0.3001



36.7391, 0.3836, 0.3004

Square

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



36.7391, 0.2169, 0.3001



36.7391, 0.2736, 0.2447



36.7391, 0.4189, 0.3429



36.7391, 0.3449, 0.4309

Rectangle

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



36.7391, 0.2169, 0.3001



36.7391, 0.2241, 0.2455



36.7391, 0.4189, 0.3429



36.7391, 0.4060, 0.4104

Sweetspot

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



36.7404, 0.2169, 0.3001



83.8362, 0.2685, 0.3212



40.4654, 0.2985, 0.5934



17.5514, 0.2630, 0.3200



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.



36.7404, 0.2169, 0.3001



64.6153, 0.2164, 0.2992



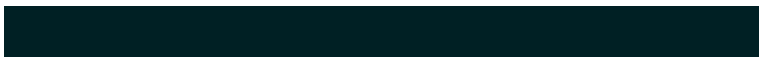
10.4804, 0.1707, 0.1332



11.8935, 0.2984, 0.3268



23.8684, 0.2167, 0.3000



1.1803, 0.2185, 0.3066

Inverse Universe

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



15.3696, 0.3453, 0.1681



27.0541, 0.3461, 0.1681



24.6845, 0.5145, 0.4284



10.7991, 0.3152, 0.3083



9.9495, 0.3454, 0.1676



0.4762, 0.3397, 0.1645

Previews

White Background



This preview shows how the Yxy color 36.7391, 0.2169, 0.3001 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 36.7391, 0.2169, 0.3001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

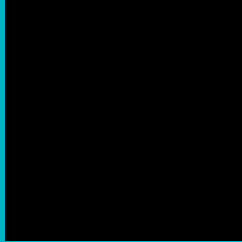
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7391, 0.2169, 0.3001

Background



This preview shows how black text looks on a background with the Yxy color 36.7391, 0.2169, 0.3001.



This preview shows how white text looks on a background with the Yxy color 36.7391, 0.2169, 0.3001.

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

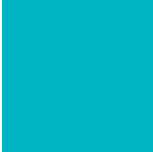
36.7391, 0.2169, 0.3001

Protanopia

36.2616, 0.2897, 0.2951

Deuteranopia

36.2762, 0.2749, 0.2689



Tritanopia

36.5826, 0.2180, 0.3047

Trichromacy



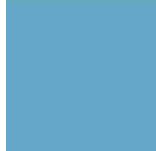
Original Color

36.7391, 0.2169, 0.3001



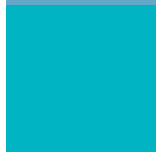
Protanomaly

34.5477, 0.2456, 0.2948



Deuteranomaly

34.6212, 0.2384, 0.2776



Tritanomaly

36.6345, 0.2176, 0.3032

Monochromacy



Original Color

36.7391, 0.2169, 0.3001



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.3519, 0.2506, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7391, 0.2169, 0.3001 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(3, 180, 198)` looks like.

```
.text, #text, p{  
    color:rgb(3, 180, 198)  
}
```

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(3, 180, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 180, 198) }
```

Border

The CSS property to change the border of an element to Yxy 36.7391, 0.2169, 0.3001 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(3, 180, 198) }
```

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

```
.border{ border-color:rgb(3, 180, 198) }
```

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

Here you see how a box with a 4 pixel rgb(3, 180, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 180, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 180, 198);  
box-shadow:4px 4px 4px 4px rgb(3, 180,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7391, 0.2169, 0.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 180, 198) }
```

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

```
.background{ background-color: rgb(3, 180,  
198) }
```

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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