

Converting Colors

$Yxy(34.2681, 0.2068, 0.4429)$

Have a look what the booklet for
Yxy(34.2681, 0.2068, 0.4429)
contains.

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Color

Yxy(37.1793, 0.2527, 0.4296)

Conversions

Conversions Part 1

Format	Color
Hex	00BB83
RGB	0, 187, 131
RGB Percent	0%, 73%, 51%
CMY	0.9987, 0.2667, 0.4863
CMYK	1.00, 0.00, 0.30, 0.27
HSL	162°, 100%, 37%
HSV	162°, 100%, 73%
XYZ	21.8697, 37.1793, 27.4950
YIQ	124.7030, -93.4760, -57.0600

Conversions

Conversions Part 2

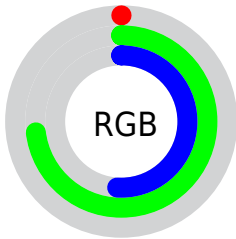
Format	Color
RYB	0, 110, 187
Decimal	48003
CIELab	67.41, -53.14, 17.40
CIELCh	67, 55.920, 161.872
Yxy	37.1793, 0.2527, 0.4296
Android (android.graphics.Color)	4278238083 (0xFF00BB83)
YUV	124.7030, 3.1044, -109.3645
Hunter-Lab	60.9748, -42.6839, 15.9471

Details

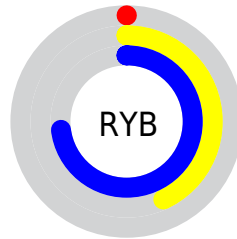
The Yxy color **37.1793, 0.2527, 0.4296** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **10.8603, 0.5760, 0.2948**, and the grayscale version is **20.4498, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7034, 0.2652, 0.4082**, and **17.0966, 0.2603, 0.4571** is the 20% darker color. If you saturate the color by 10%, you get **37.1761, 0.2527, 0.4298**, and if you desaturate by 10%, it is **37.4736, 0.2515, 0.4184**.

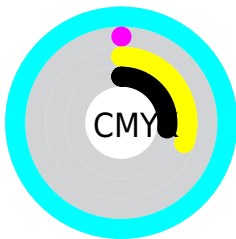
Distribution



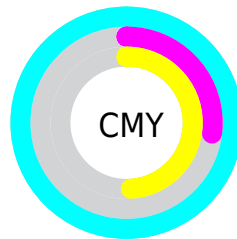
- Red (0%)
- Green (73%)
- Blue (51%)



- Red (0%)
- Yellow (43%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1793, 0.2527, 0.4296 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 37.1793, 0.2527, 0.4296 by changing the saturation by 10% instead.


 37.1793, 0.2527,
0.4296


 37.1793, 0.2527,
0.4296


 334.0861, 0.2852,
0.3743

 25.3463, 0.2437,
0.4452


 70.8485, 0.2651,
0.4082


 16.3353, 0.2317,
0.4664


 93.4535, 0.2696,
0.4006


 9.7617, 0.2148,
0.4967


 120.4179, 0.2733,
0.3943

 5.2413, 0.1895,
0.5431

 152.1263, 0.2764,
0.3890

 2.3895, 0.1405,
0.6277

 188.9629, 0.2791,
0.3845

 0.8205, 0.0000,
1.0000

 231.3121, 0.2814,

 0.0000, 0.0000,

0.3807

0.0000

279.5584, 0.2834,
0.3773

■ 37.1793, 0.2527,
0.4296

■ 37.1793, 0.2527,
0.4296

■ 37.1761, 0.2527,
0.4298

■ 37.4736, 0.2515,
0.4184

■ 37.9064, 0.2519,
0.4071

■ 38.5257, 0.2543,
0.3957

■ 39.3552, 0.2586,
0.3845

■ 40.4152, 0.2647,
0.3737

■ 41.7233, 0.2724,
0.3633

■ 43.2954, 0.2813,
0.3536

■ 45.1463, 0.2912,
0.3446

■ 47.2894, 0.3019,
0.3363

Harmonies

Analogous

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



37.1793, 0.3298, 0.4820



37.1793, 0.2527, 0.4296



37.1793, 0.1963, 0.3389

Triad

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



37.1793, 0.2527, 0.4296



37.1793, 0.2128, 0.2037



37.1793, 0.4780, 0.3620

Complementary

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



37.1793, 0.2527, 0.4296



10.8603, 0.5760, 0.2948

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.



37.1793, 0.4403, 0.3029



37.1793, 0.2527, 0.4296



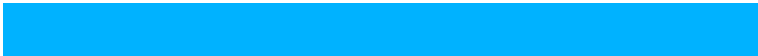
37.1793, 0.2771, 0.2168

Square

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



37.1793, 0.2527, 0.4296



37.1793, 0.1774, 0.2166



37.1793, 0.3619, 0.2518



37.1793, 0.4625, 0.4223

Rectangle

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



37.1793, 0.2527, 0.4296



37.1793, 0.1761, 0.2834



37.1793, 0.3619, 0.2518



37.1793, 0.4714, 0.3418

Sweetspot

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



37.1808, 0.2527, 0.4296



77.3430, 0.2807, 0.3542



36.3909, 0.3141, 0.5886



16.7595, 0.2768, 0.3583



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



37.1808, 0.2527, 0.4296



66.5395, 0.2532, 0.4315



25.2953, 0.2066, 0.2636



10.7594, 0.3024, 0.3360



25.6283, 0.2523, 0.4284



1.0149, 0.2449, 0.4016

Inverse Universe

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



10.8603, 0.5760, 0.2948



19.3982, 0.5804, 0.2971



11.9298, 0.6174, 0.3478



9.5822, 0.3242, 0.3221



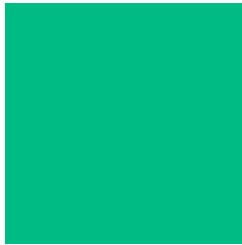
7.4880, 0.5733, 0.2932



0.3053, 0.5031, 0.2545

Previews

White Background



This preview shows how the Yxy color 37.1793, 0.2527, 0.4296 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 37.1793, 0.2527, 0.4296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

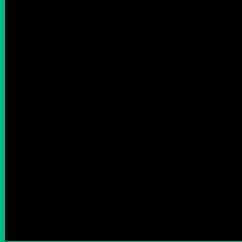
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1793, 0.2527, 0.4296

Background



This preview shows how black text looks on a background with the Yxy color 37.1793, 0.2527, 0.4296.



This preview shows how white text looks on a background with the Yxy color 37.1793, 0.2527, 0.4296.

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

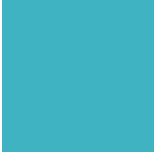
37.1793, 0.2527, 0.4296

Protanopia

36.6644, 0.3640, 0.3906

Deuteranopia

36.6403, 0.3623, 0.3551



Tritanopia

37.1920, 0.2290, 0.3052

Trichromacy



Original Color

37.1793, 0.2527, 0.4296



Protanomaly

34.3398, 0.2982, 0.4104



Deuteranomaly

33.7476, 0.2971, 0.3838



Tritanomaly

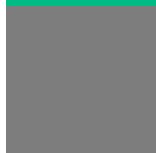
36.8473, 0.2351, 0.3472

Monochromacy



Original Color

37.1793, 0.2527, 0.4296



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

24.4176, 0.2686, 0.3699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1793, 0.2527, 0.4296 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, 187, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 131)  
}
```

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, 187, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 131) }
```

Border

The CSS property to change the border of an element to Yxy 37.1793, 0.2527, 0.4296 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, 187, 131) }
```

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

```
.border{ border-color:rgb(0, 187, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 187, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1793, 0.2527, 0.4296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 131) }
```

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

```
.background{ background-color: rgb(0, 187,  
131) }
```

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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