

Converting Colors

$Y_{xy}(37.5462, 0.2425, 0.3884)$

Have a look what the booklet for
Yxy(37.5462, 0.2425, 0.3884)
contains.

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Color

Yxy(37.4864, 0.2424, 0.3880)

Conversions

Conversions Part 1

Format	Color
Hex	0FBA98
RGB	15, 186, 152
RGB Percent	6%, 73%, 60%
CMY	0.9425, 0.2705, 0.4039
CMYK	0.92, 0.00, 0.18, 0.27
HSL	168°, 85%, 39%
HSV	168°, 92%, 73%
XYZ	23.4193, 37.4864, 35.7087
YIQ	130.9950, -91.0020, -46.8260

Conversions

Conversions Part 2

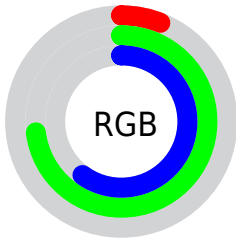
Format	Color
RYB	15, 110, 186
Decimal	1030808
CIELab	67.64, -47.06, 6.29
CIELCh	68, 47.477, 172.393
Yxy	37.4864, 0.2424, 0.3880
Android (android.graphics.Color)	4279220888 (0xFF0FBA98)
YUV	130.9950, 10.3555, -101.7276
Hunter-Lab	61.2261, -38.8685, 8.2788

Details

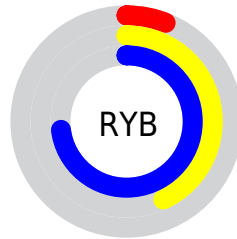
The Yxy color **37.4864, 0.2424, 0.3880** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.9913, 0.5849, 0.3067**, and the grayscale version is **22.6454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3241, 0.2563, 0.3764**, and **17.4421, 0.2456, 0.4041** is the 20% darker color. If you saturate the color by 10%, you get **37.2950, 0.2427, 0.3936**, and if you desaturate by 10%, it is **37.8396, 0.2433, 0.3808**.

Distribution



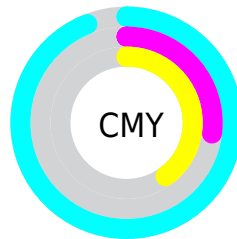
- Red (6%)
- Green (73%)
- Blue (60%)



- Red (6%)
- Yellow (43%)
- Blue (73%)



- Cyan (92%)
- Magenta (0%)
- Yellow (18%)
- Black (27%)




- Cyan (94%)
- Magenta (27%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4864, 0.2424, 0.3880 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 37.4864, 0.2424, 0.3880 by changing the saturation by 10% instead.


 37.4864, 0.2424,
0.3880


 37.4864, 0.2424,
0.3880

335.4116, 0.2790,
0.3566


 25.5843, 0.2328,
0.3965


 71.3202, 0.2560,
0.3761


 16.5129, 0.2203,
0.4077


 94.0208, 0.2610,
0.3718


 9.8878, 0.2033,
0.4234


 121.0896, 0.2652,
0.3682

 5.3246, 0.1790,
0.4467

 152.9111, 0.2688,
0.3652

 2.4390, 0.1407,
0.4850

 189.8696, 0.2719,
0.3626

 0.8458, 0.0000,
0.6372

232.3496, 0.2746,

 0.0000, 0.0000,

0.3604

0.0000

280.7355, 0.2769,
0.3584

■ 37.4864, 0.2424,
0.3880

■ 37.4864, 0.2424,
0.3880

■ 37.2950, 0.2427,
0.3936

■ 37.8396, 0.2433,
0.3808

■ 38.3650, 0.2460,
0.3736

■ 39.0884, 0.2507,
0.3665

■ 40.0304, 0.2572,
0.3595

■ 41.2088, 0.2655,
0.3528

■ 42.6396, 0.2751,
0.3465

■ 44.3375, 0.2860,
0.3405

■ 46.3159, 0.2977,
0.3350

■ 48.5875, 0.3100,
0.3300

Harmonies

Analogous

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



37.4864, 0.3051, 0.4467



37.4864, 0.2424, 0.3880



37.4864, 0.2015, 0.3129

Triad

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



37.4864, 0.2424, 0.3880



37.4864, 0.2437, 0.2214



37.4864, 0.4543, 0.3790

Complementary

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



37.4864, 0.2424, 0.3880



10.9913, 0.5849, 0.3067

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.



37.4864, 0.4370, 0.3257



37.4864, 0.2424, 0.3880



37.4864, 0.3073, 0.2400

Square

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



37.4864, 0.2424, 0.3880



37.4864, 0.2030, 0.2251



37.4864, 0.3803, 0.2769



37.4864, 0.4289, 0.4285

Rectangle

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



37.4864, 0.2424, 0.3880



37.4864, 0.1897, 0.2713



37.4864, 0.3803, 0.2769



37.4864, 0.4536, 0.3612

Sweetspot

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



37.4878, 0.2424, 0.3880



78.3456, 0.2790, 0.3442



35.8067, 0.3096, 0.5863



16.9754, 0.2744, 0.3469



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.



37.4878, 0.2424, 0.3880



67.5562, 0.2430, 0.3948



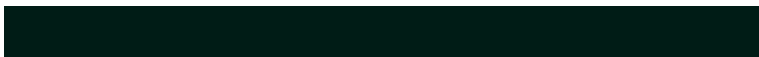
20.8619, 0.2005, 0.2368



10.1793, 0.3011, 0.3336



25.0987, 0.2424, 0.3927



0.8927, 0.2373, 0.3743

Inverse Universe

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



10.9913, 0.5849, 0.3067



19.1355, 0.6114, 0.3142



14.3776, 0.5758, 0.3715



9.0406, 0.3257, 0.3245



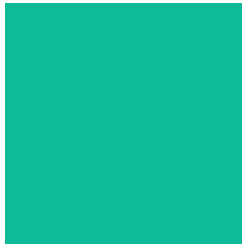
7.1213, 0.6051, 0.3107



0.2598, 0.5356, 0.2724

Previews

White Background



This preview shows how the Yxy color 37.4864, 0.2424, 0.3880 looks on a white background.

Color Contrast Check

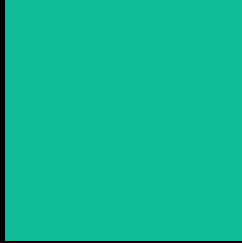
Large Text (above 18pt) WCAG AA × Fail

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 37.4864, 0.2424, 0.3880 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 37.4864, 0.2424, 0.3880

Background



This preview shows how black text looks on a background with the Yxy color 37.4864, 0.2424, 0.3880.

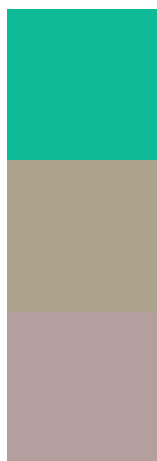


This preview shows how white text looks on a background with the Yxy color 37.4864, 0.2424, 0.3880.

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

37.4864, 0.2424, 0.3880

Protanopia

36.8585, 0.3423, 0.3621

Deuteranopia

36.7461, 0.3354, 0.3291



Tritanopia

37.4234, 0.2267, 0.3052

Trichromacy



Original Color

37.4864, 0.2424, 0.3880



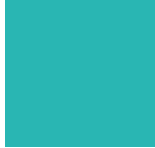
Protanomaly

34.7843, 0.2863, 0.3734



Deuteranomaly

34.4705, 0.2817, 0.3482



Tritanomaly

37.1820, 0.2314, 0.3337

Monochromacy



Original Color

37.4864, 0.2424, 0.3880



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.1211, 0.2668, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4864, 0.2424, 0.3880 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(15, 186, 152)` looks like.

```
.text, #text, p{  
  color:rgb(15, 186, 152)  
}
```

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(15, 186, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 186, 152) }
```

Border

The CSS property to change the border of an element to Yxy 37.4864, 0.2424, 0.3880 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(15, 186, 152) }
```

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

```
.border{ border-color:rgb(15, 186, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 186, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 186, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 186, 152);  
box-shadow:4px 4px 4px 4px rgb(15, 186,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4864, 0.2424, 0.3880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 186, 152) }
```

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

```
.background{ background-color: rgb(15, 186,  
152) }
```

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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