

Converting Colors

$Yxy(38.0518, 0.2604, 0.4521)$

Have a look what the booklet for
Yxy(38.0518, 0.2604, 0.4521)
contains.

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Color

Yxy(37.8772, 0.2602, 0.4511)

Conversions

Conversions Part 1

Format	Color
Hex	0FBD79
RGB	15, 189, 121
RGB Percent	6%, 74%, 47%
CMY	0.9400, 0.2588, 0.5256
CMYK	0.92, 0.00, 0.36, 0.26
HSL	157°, 85%, 40%
HSV	157°, 92%, 74%
XYZ	21.8480, 37.8772, 24.2411
YIQ	129.2220, -81.8760, -58.0360

Conversions

Conversions Part 2

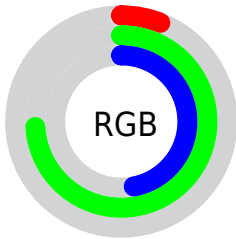
Format	Color
RYB	15, 123, 189
Decimal	1031545
CIELab	67.93, -55.48, 23.49
CIElCh	68, 60.249, 157.052
Yxy	37.8772, 0.2602, 0.4511
Android (android.graphics.Color)	4279221625 (0xFF0FBD79)
YUV	129.2220, -4.0534, -100.1727
Hunter-Lab	61.5445, -44.3360, 19.7280

Details

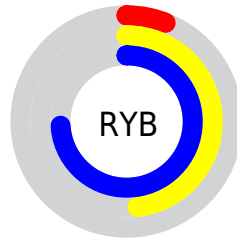
The Yxy color **37.8772, 0.2602, 0.4511** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **11.7980, 0.5184, 0.2690**, and the grayscale version is **22.1019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6769, 0.2713, 0.4241**, and **17.5181, 0.2677, 0.4837** is the 20% darker color. If you saturate the color by 10%, you get **37.6323, 0.2619, 0.4630**, and if you desaturate by 10%, it is **38.3066, 0.2594, 0.4361**.

Distribution



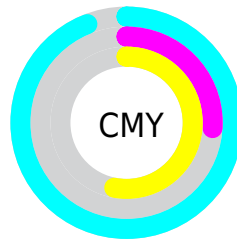
- Red (6%)
- Green (74%)
- Blue (47%)



- Red (6%)
- Yellow (48%)
- Blue (74%)



- Cyan (92%)
- Magenta (0%)
- Yellow (36%)
- Black (26%)



- Cyan (94%)
- Magenta (26%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8772, 0.2602, 0.4511 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 37.8772, 0.2602, 0.4511 by changing the saturation by 10% instead.

 37.8772, 0.2602,
0.4511


 37.8772, 0.2602,
0.4511


337.0929, 0.2895,
0.3836

 25.8874, 0.2518,
0.4703


 71.9199, 0.2716,
0.4249

 16.7394, 0.2403,
0.4963

 94.7415, 0.2757,
0.4156


 10.0489, 0.2238,
0.5336


 121.9426, 0.2790,
0.4079

 5.4314, 0.1984,
0.5905

 153.9075, 0.2818,
0.4014

 2.5025, 0.1498,
0.7042

 191.0206, 0.2841,
0.3960

 0.8779, 0.0000,
1.0000

233.6662, 0.2862,

 0.0000, 0.0000,

0.3912

0.0000

282.2289, 0.2879,
0.3871

■ 37.8772, 0.2602,
0.4511

■ 37.8772, 0.2602,
0.4511

■ 37.6323, 0.2619,
0.4630

■ 38.3066, 0.2594,
0.4361

■ 38.9254, 0.2606,
0.4209

■ 39.7608, 0.2638,
0.4058

■ 40.8342, 0.2687,
0.3912

■ 42.1644, 0.2753,
0.3772

■ 43.7683, 0.2830,
0.3640

■ 45.6614, 0.2917,
0.3519

■ 47.8577, 0.3011,
0.3408

■ 50.3707, 0.3108,
0.3308

Harmonies

Analogous

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



37.8772, 0.3433, 0.4960



37.8772, 0.2602, 0.4511



37.8772, 0.1962, 0.3550

Triad

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



37.8772, 0.2602, 0.4511



37.8772, 0.1987, 0.1967



37.8772, 0.4867, 0.3521

Complementary

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



37.8772, 0.2602, 0.4511



11.7980, 0.5184, 0.2690

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.



37.8772, 0.4379, 0.2912



37.8772, 0.2602, 0.4511



37.8772, 0.2616, 0.2066

Square

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



37.8772, 0.2602, 0.4511



37.8772, 0.1668, 0.2146



37.8772, 0.3499, 0.2399



37.8772, 0.4777, 0.4161

Rectangle

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



37.8772, 0.2602, 0.4511



37.8772, 0.1717, 0.2925



37.8772, 0.3499, 0.2399



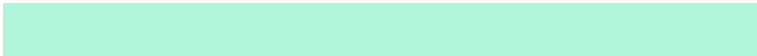
37.8772, 0.4767, 0.3312

Sweetspot

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



37.8787, 0.2602, 0.4511



79.5037, 0.2860, 0.3597



38.3508, 0.3282, 0.5718



16.8001, 0.2823, 0.3651



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.



37.8787, 0.2602, 0.4511



67.3519, 0.2626, 0.4652



33.1418, 0.2179, 0.3000



10.7445, 0.3036, 0.3381



25.3359, 0.2614, 0.4611



1.0049, 0.2516, 0.4257

Inverse Universe

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



11.7980, 0.5184, 0.2690



20.2185, 0.5456, 0.2779



11.9231, 0.6146, 0.3391



9.5966, 0.3229, 0.3200



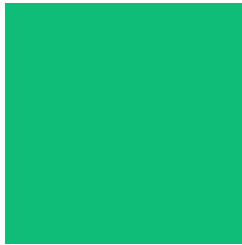
7.6261, 0.5383, 0.2739



0.3116, 0.4743, 0.2387

Previews

White Background



This preview shows how the Yxy color 37.8772, 0.2602, 0.4511 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 37.8772, 0.2602, 0.4511 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 37.8772, 0.2602, 0.4511

Background



This preview shows how black text looks on a background with the Yxy color 37.8772, 0.2602, 0.4511.

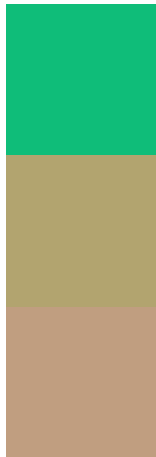


This preview shows how white text looks on a background with the Yxy color 37.8772, 0.2602, 0.4511.

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

37.8772, 0.2602, 0.4511

Protanopia

37.1636, 0.3748, 0.4037

Deuteranopia

37.2187, 0.3760, 0.3696



Tritanopia

37.8116, 0.2307, 0.3054

Trichromacy



Original Color

37.8772, 0.2602, 0.4511



Protanomaly

35.0469, 0.3115, 0.4257



Deuteranomaly

34.4458, 0.3120, 0.4011



Tritanomaly

37.3471, 0.2394, 0.3539

Monochromacy



Original Color

37.8772, 0.2602, 0.4511



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.7143, 0.2762, 0.3766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8772, 0.2602, 0.4511 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, 189, 121)` looks like.

```
.text, #text, p{  
    color:rgb(15, 189, 121)  
}
```

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, 189, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 189, 121) }
```

Border

The CSS property to change the border of an element to Yxy 37.8772, 0.2602, 0.4511 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, 189, 121) }
```

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

```
.border{ border-color:rgb(15, 189, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 189, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 189, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 189, 121);  
box-shadow:4px 4px 4px 4px rgb(15, 189,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8772, 0.2602, 0.4511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 189, 121) }
```

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

```
.background{ background-color: rgb(15, 189,  
121) }
```

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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