

Converting Colors

$Y_{xy}(37.6016, 0.2396, 0.3796)$

Have a look what the booklet for
Yxy(37.6016, 0.2396, 0.3796)
contains.

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Color

Yxy(37.6167, 0.2394, 0.3788)

Conversions

Conversions Part 1

Format	Color
Hex	0ABA9D
RGB	10, 186, 157
RGB Percent	4%, 73%, 62%
CMY	0.9597, 0.2706, 0.3842
CMYK	0.94, 0.00, 0.16, 0.27
HSL	170°, 90%, 38%
HSV	170°, 94%, 73%
XYZ	23.7736, 37.6167, 37.9146
YIQ	130.0700, -95.5870, -46.3310

Conversions

Conversions Part 2

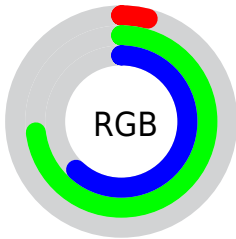
Format	Color
RYB	10, 106, 186
Decimal	703133
CIELab	67.74, -45.90, 3.67
CIELCh	68, 46.050, 175.431
Yxy	37.6167, 0.2394, 0.3788
Android (android.graphics.Color)	4278893213 (0xFF0ABA9D)
YUV	130.0700, 13.2765, -105.3014
Hunter-Lab	61.3325, -38.1419, 6.2807

Details

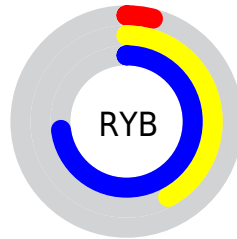
The Yxy color **37.6167, 0.2394, 0.3788** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.8102, 0.6013, 0.3135**, and the grayscale version is **22.3583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5137, 0.2537, 0.3697**, and **17.5431, 0.2420, 0.3912** is the 20% darker color. If you saturate the color by 10%, you get **37.4943, 0.2395, 0.3820**, and if you desaturate by 10%, it is **37.9174, 0.2402, 0.3730**.

Distribution



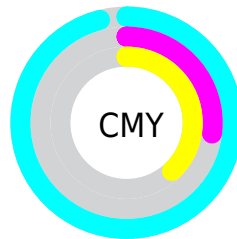
- Red (4%)
- Green (73%)
- Blue (62%)



- Red (4%)
- Yellow (42%)
- Blue (73%)



- Cyan (94%)
- Magenta (0%)
- Yellow (16%)
- Black (27%)





- Cyan (96%)
- Magenta (27%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6167, 0.2394, 0.3788 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 37.6167, 0.2394, 0.3788 by changing the saturation by 10% instead.

 37.6167, 0.2394,
0.3788


 37.6167, 0.2394,
0.3788


335.9728, 0.2773,
0.3527

 25.6853, 0.2296,
0.3857


 71.5203, 0.2534,
0.3690


 16.5884, 0.2169,
0.3949

 94.2612, 0.2586,
0.3654

 9.9415, 0.1996,
0.4074


 121.3742, 0.2630,
0.3624

 5.3602, 0.1752,
0.4257

 153.2436, 0.2667,
0.3599

 2.4601, 0.1379,
0.4548

 190.2537, 0.2699,
0.3577

 0.8566, 0.0000,
0.5588

232.7891, 0.2727,

 0.0000, 0.0000,

0.3558

0.0000

281.2340, 0.2751,
0.3541

■ 37.6167, 0.2394,
0.3788

■ 37.6167, 0.2394,
0.3788

■ 37.4943, 0.2395,
0.3820

■ 37.9174, 0.2402,
0.3730

■ 38.3825, 0.2427,
0.3671

■ 39.0392, 0.2472,
0.3613

■ 39.9086, 0.2536,
0.3555

■ 41.0093, 0.2617,
0.3500

■ 42.3575, 0.2713,
0.3447

■ 43.9682, 0.2823,
0.3397

■ 45.8551, 0.2942,
0.3350

■ 48.0309, 0.3069,
0.3308

Harmonies

Analogous

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



37.6167, 0.2989, 0.4387



37.6167, 0.2394, 0.3788



37.6167, 0.2020, 0.3069

Triad

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



37.6167, 0.2394, 0.3788



37.6167, 0.2511, 0.2251



37.6167, 0.4493, 0.3833

Complementary

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



37.6167, 0.2394, 0.3788



10.8102, 0.6013, 0.3135

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.



37.6167, 0.4368, 0.3313



37.6167, 0.2394, 0.3788



37.6167, 0.3147, 0.2453

Square

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



37.6167, 0.2394, 0.3788



37.6167, 0.2088, 0.2265



37.6167, 0.3850, 0.2829



37.6167, 0.4214, 0.4301

Rectangle

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



37.6167, 0.2394, 0.3788



37.6167, 0.1923, 0.2681



37.6167, 0.3850, 0.2829



37.6167, 0.4500, 0.3661

Sweetspot

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



37.6181, 0.2394, 0.3788



78.4733, 0.2778, 0.3416



35.5818, 0.3066, 0.5906



17.0075, 0.2731, 0.3438



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.



37.6181, 0.2394, 0.3788



67.9317, 0.2397, 0.3830



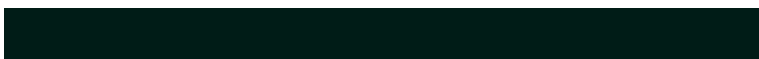
18.9004, 0.1963, 0.2230



10.1845, 0.3007, 0.3328



25.2352, 0.2392, 0.3813



0.8965, 0.2351, 0.3663

Inverse Universe

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



10.8102, 0.6013, 0.3135



19.0744, 0.6192, 0.3185



14.6996, 0.5739, 0.3762



9.0357, 0.3263, 0.3253



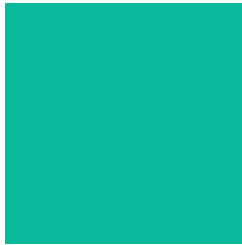
7.0961, 0.6136, 0.3154



0.2577, 0.5500, 0.2804

Previews

White Background



This preview shows how the Yxy color 37.6167, 0.2394, 0.3788 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 37.6167, 0.2394, 0.3788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

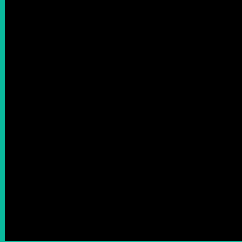
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6167, 0.2394, 0.3788

Background



This preview shows how black text looks on a background with the Yxy color 37.6167, 0.2394, 0.3788.

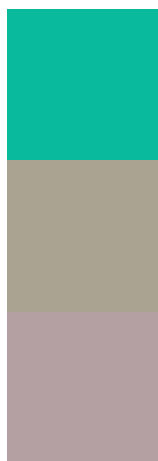


This preview shows how white text looks on a background with the Yxy color 37.6167, 0.2394, 0.3788.

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

37.6167, 0.2394, 0.3788

Protanopia

36.8966, 0.3367, 0.3549

Deuteranopia

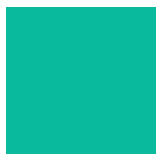
37.1439, 0.3295, 0.3235



Tritanopia

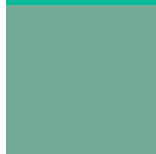
37.7448, 0.2263, 0.3068

Trichromacy



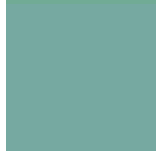
Original Color

37.6167, 0.2394, 0.3788



Protanomaly

34.8065, 0.2811, 0.3651



Deuteranomaly

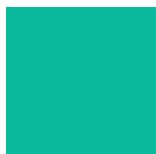
34.8007, 0.2758, 0.3417



Tritanomaly

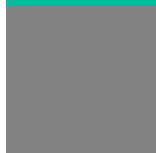
37.5965, 0.2299, 0.3320

Monochromacy



Original Color

37.6167, 0.2394, 0.3788



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

25.6846, 0.2636, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6167, 0.2394, 0.3788 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(10, 186, 157)` looks like.

```
.text, #text, p{  
    color:rgb(10, 186, 157)  
}
```

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(10, 186, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 186, 157) }
```

Border

The CSS property to change the border of an element to Yxy 37.6167, 0.2394, 0.3788 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(10, 186, 157) }
```

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

```
.border{ border-color:rgb(10, 186, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 186, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 186, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 186, 157);  
box-shadow:4px 4px 4px 4px rgb(10, 186,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6167, 0.2394, 0.3788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 186, 157) }
```

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

```
.background{ background-color: rgb(10, 186,  
157) }
```

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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