

Converting Colors

$Y_{xy}(37.6230, 0.2426, 0.3869)$

Have a look what the booklet for
Yxy(37.6230, 0.2426, 0.3869)
contains.

Yxy(37.5562, 0.2424, 0.3861)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(37.5562, 0.2424, 0.3861)$

Conversions

Conversions Part 1

Format	Color
Hex	13BA99
RGB	19, 186, 153
RGB Percent	7%, 73%, 60%
CMY	0.9248, 0.2706, 0.4001
CMYK	0.90, 0.00, 0.18, 0.27
HSL	168°, 81%, 40%
HSV	168°, 90%, 73%
XYZ	23.5784, 37.5562, 36.1360
YIQ	132.3050, -88.9390, -45.6670

Conversions

Conversions Part 2

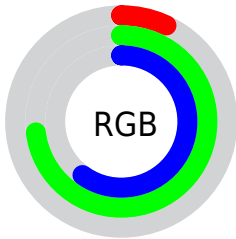
Format	Color
RYB	19, 112, 186
Decimal	1292953
CIELab	67.69, -46.57, 5.83
CIELCh	68, 46.937, 172.869
Yxy	37.5562, 0.2424, 0.3861
Android (android.graphics.Color)	4279483033 (0xFF13BA99)
YUV	132.3050, 10.2026, -99.3685
Hunter-Lab	61.2831, -38.5684, 7.9374

Details

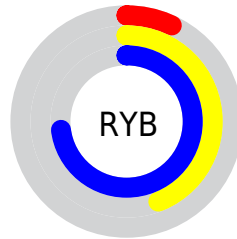
The Yxy color **37.5562, 0.2424, 0.3861** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **11.1604, 0.5770, 0.3051**, and the grayscale version is **23.1956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4310, 0.2562, 0.3750**, and **17.4618, 0.2449, 0.4015** is the 20% darker color. If you saturate the color by 10%, you get **37.3014, 0.2426, 0.3932**, and if you desaturate by 10%, it is **37.9487, 0.2437, 0.3789**.

Distribution



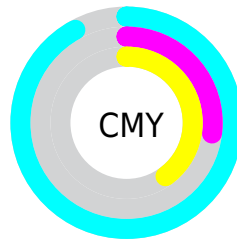
- Red (7%)
- Green (73%)
- Blue (60%)



- Red (7%)
- Yellow (44%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (18%)
- Black (27%)





- Cyan (92%)
- Magenta (27%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5562, 0.2424, 0.3861 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 37.5562, 0.2424, 0.3861 by changing the saturation by 10% instead.


 37.5562, 0.2424,
0.3861


 37.5562, 0.2424,
0.3861


335.7123, 0.2789,
0.3558

 25.6384, 0.2329,
0.3942


 71.4274, 0.2560,
0.3747


 16.5533, 0.2204,
0.4051


 94.1496, 0.2610,
0.3705

 9.9166, 0.2035,
0.4201


 121.2421, 0.2652,
0.3670

 5.3437, 0.1793,
0.4424

 153.0892, 0.2688,
0.3641

 2.4503, 0.1416,
0.4788

 190.0754, 0.2718,
0.3616

 0.8516, 0.0000,
0.6209

232.5851, 0.2745,

 0.0000, 0.0000,

0.3594

0.0000

281.0026, 0.2769,
0.3575

■ 37.5562, 0.2424,
0.3861

■ 37.5562, 0.2424,
0.3861

■ 37.3014, 0.2426,
0.3932

■ 37.9487, 0.2437,
0.3789

■ 37.2941, 0.2426,
0.3934

■ 38.5198, 0.2469,
0.3718

■ 39.2941, 0.2521,
0.3647

■ 40.2915, 0.2591,
0.3578

■ 41.5293, 0.2677,
0.3512

■ 43.0231, 0.2776,
0.3449

■ 44.7873, 0.2887,
0.3391

■ 46.8352, 0.3006,
0.3337

■ 49.1790, 0.3131,
0.3289

Harmonies

Analogous

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



37.5562, 0.3042, 0.4446



37.5562, 0.2424, 0.3861



37.5562, 0.2022, 0.3121

Triad

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



37.5562, 0.2424, 0.3861



37.5562, 0.2453, 0.2226



37.5562, 0.4526, 0.3795

Complementary

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



37.5562, 0.2424, 0.3861



11.1604, 0.5770, 0.3051

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.



37.5562, 0.4361, 0.3267



37.5562, 0.2424, 0.3861



37.5562, 0.3085, 0.2414

Square

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



37.5562, 0.2424, 0.3861



37.5562, 0.2045, 0.2260



37.5562, 0.3807, 0.2782



37.5562, 0.4270, 0.4282

Rectangle

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



37.5562, 0.2424, 0.3861



37.5562, 0.1908, 0.2712



37.5562, 0.3807, 0.2782



37.5562, 0.4521, 0.3619

Sweetspot

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



37.5577, 0.2424, 0.3861



78.6560, 0.2800, 0.3436



35.9101, 0.3105, 0.5832



17.0968, 0.2764, 0.3457



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.



37.5577, 0.2424, 0.3861



67.5621, 0.2429, 0.3946



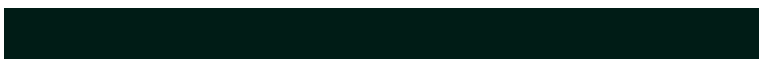
21.2802, 0.2019, 0.2396



10.1793, 0.3011, 0.3336



25.1009, 0.2424, 0.3925



0.8928, 0.2373, 0.3742

Inverse Universe

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



11.1604, 0.5770, 0.3051



19.1344, 0.6115, 0.3142



14.7702, 0.5689, 0.3733



9.0405, 0.3257, 0.3245



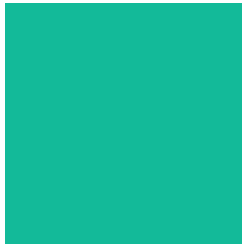
7.1209, 0.6052, 0.3108



0.2597, 0.5358, 0.2725

Previews

White Background



This preview shows how the Yxy color 37.5562, 0.2424, 0.3861 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 37.5562, 0.2424, 0.3861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

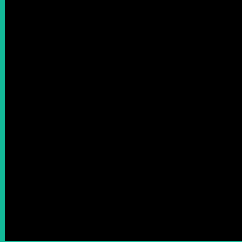
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5562, 0.2424, 0.3861

Background



This preview shows how black text looks on a background with the Yxy color 37.5562, 0.2424, 0.3861.

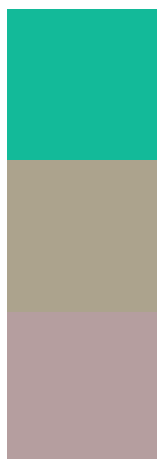


This preview shows how white text looks on a background with the Yxy color 37.5562, 0.2424, 0.3861.

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

37.5562, 0.2424, 0.3861

Protanopia

36.8881, 0.3414, 0.3606

Deuteranopia

36.7807, 0.3345, 0.3277



Tritanopia

37.4525, 0.2270, 0.3052

Trichromacy



Original Color

37.5562, 0.2424, 0.3861



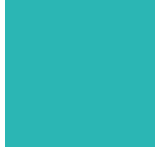
Protanomaly

34.8832, 0.2863, 0.3716



Deuteranomaly

34.5772, 0.2818, 0.3465



Tritanomaly

37.2648, 0.2313, 0.3320

Monochromacy



Original Color

37.5562, 0.2424, 0.3861



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.5741, 0.2678, 0.3509

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5562, 0.2424, 0.3861 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(19, 186, 153)` looks like.

```
.text, #text, p{  
  color:rgb(19, 186, 153)  
}
```

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(19, 186, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 186, 153) }
```

Border

The CSS property to change the border of an element to Yxy 37.5562, 0.2424, 0.3861 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(19, 186, 153) }
```

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

```
.border{ border-color:rgb(19, 186, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 186, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 186, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 186, 153);  
box-shadow:4px 4px 4px 4px rgb(19, 186,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5562, 0.2424, 0.3861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 186, 153) }
```

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

```
.background{ background-color: rgb(19, 186,  
153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor