

Converting Colors

$Y_{xy}(37.5238, 0.2463, 0.4066)$

Have a look what the booklet for
Yxy(37.5238, 0.2463, 0.4066)
contains.

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Color

Yxy(37.5238, 0.2463, 0.4066)

Conversions

Conversions Part 1

Format	Color
Hex	00BB8F
RGB	0, 187, 143
RGB Percent	0%, 73%, 56%
CMY	0.9992, 0.2667, 0.4392
CMYK	1.00, 0.00, 0.24, 0.27
HSL	166°, 100%, 37%
HSV	166°, 100%, 73%
XYZ	22.7302, 37.5238, 32.0327
YIQ	126.0710, -97.3280, -53.3280

Conversions

Conversions Part 2

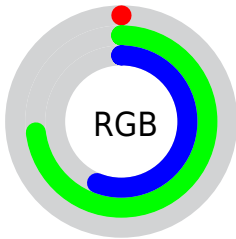
Format	Color
RYB	0, 106, 187
Decimal	48015
CIELab	67.67, -50.28, 11.24
CIELCh	68, 51.524, 167.402
Yxy	37.5238, 0.2463, 0.4066
Android (android.graphics.Color)	4278238095 (0xFF00BB8F)
YUV	126.0710, 8.3460, -110.5643
Hunter-Lab	61.2567, -40.9640, 11.8754

Details

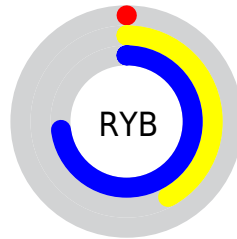
The Yxy color **37.5238, 0.2463, 0.4066** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **10.7528, 0.5973, 0.3065**, and the grayscale version is **20.9082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2740, 0.2592, 0.3901**, and **17.2928, 0.2514, 0.4252** is the 20% darker color. If you saturate the color by 10%, you get **37.5224, 0.2463, 0.4067**, and if you desaturate by 10%, it is **37.7976, 0.2457, 0.3980**.

Distribution



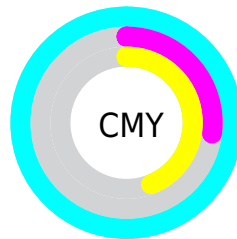
- Red (0%)
- Green (73%)
- Blue (56%)



- Red (0%)
- Yellow (42%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5238, 0.2463, 0.4066 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 37.5238, 0.2463, 0.4066 by changing the saturation by 10% instead.

 37.5238, 0.2463,
0.4066


 37.5238, 0.2463,
0.4066


335.5728, 0.2813,
0.3647


 25.6133, 0.2370,
0.4182


 71.3777, 0.2595,
0.3906

 16.5346, 0.2246,
0.4338


 94.0898, 0.2643,
0.3848


 9.9032, 0.2077,
0.4558


 121.1713, 0.2683,
0.3800

 5.3348, 0.1830,
0.4891

 153.0065, 0.2717,
0.3760

 2.4450, 0.1412,
0.5467

 189.9799, 0.2746,
0.3725

 0.8489, 0.0000,
0.8596

 232.4758, 0.2772,

 0.0000, 0.0000,

0.3695

0.0000

280.8786, 0.2794,
0.3669

■ 37.5238, 0.2463,
0.4066

■ 37.5238, 0.2463,
0.4066

■ 37.5224, 0.2463,
0.4067

■ 37.7976, 0.2457,
0.3980

■ 38.2062, 0.2467,
0.3893

■ 38.7981, 0.2496,
0.3806

■ 39.5969, 0.2544,
0.3720

■ 40.6227, 0.2610,
0.3637

■ 41.8933, 0.2692,
0.3557

■ 43.4245, 0.2788,
0.3482

■ 45.2309, 0.2895,
0.3412

■ 47.3260, 0.3009,
0.3348

Harmonies

Analogous

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



37.5238, 0.3159, 0.4639



37.5238, 0.2463, 0.4066



37.5238, 0.1982, 0.3238

Triad

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



37.5238, 0.2463, 0.4066



37.5238, 0.2292, 0.2127



37.5238, 0.4661, 0.3718

Complementary

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



37.5238, 0.2463, 0.4066



10.7528, 0.5973, 0.3065

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.



37.5238, 0.4399, 0.3154



37.5238, 0.2463, 0.4066



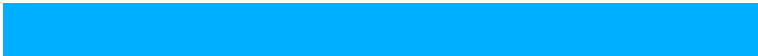
37.5238, 0.2937, 0.2289

Square

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



37.5238, 0.2463, 0.4066



37.5238, 0.1906, 0.2205



37.5238, 0.3730, 0.2653



37.5238, 0.4448, 0.4268

Rectangle

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



37.5238, 0.2463, 0.4066



37.5238, 0.1827, 0.2759



37.5238, 0.3730, 0.2653



37.5238, 0.4629, 0.3527

Sweetspot

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



37.5253, 0.2463, 0.4066



77.5954, 0.2782, 0.3487



36.1432, 0.3101, 0.5919



16.8218, 0.2740, 0.3518



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.



37.5253, 0.2463, 0.4066



67.1641, 0.2467, 0.4081



22.4341, 0.2017, 0.2460



10.7701, 0.3015, 0.3345



25.8649, 0.2460, 0.4056



1.0227, 0.2403, 0.3850

Inverse Universe

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



10.7528, 0.5973, 0.3065



19.2175, 0.6013, 0.3086



12.5911, 0.6075, 0.3557



9.5722, 0.3252, 0.3236



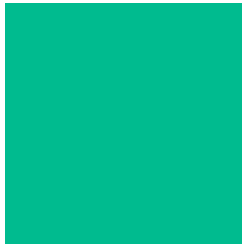
7.4143, 0.5947, 0.3050



0.3009, 0.5257, 0.2669

Previews

White Background



This preview shows how the Yxy color 37.5238, 0.2463, 0.4066 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 37.5238, 0.2463, 0.4066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

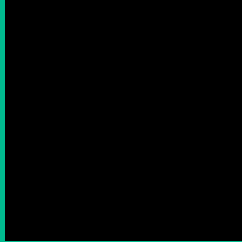
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5238, 0.2463, 0.4066

Background



This preview shows how black text looks on a background with the Yxy color 37.5238, 0.2463, 0.4066.

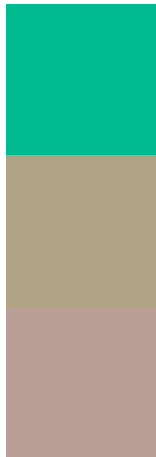


This preview shows how white text looks on a background with the Yxy color 37.5238, 0.2463, 0.4066.

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

37.5238, 0.2463, 0.4066

Protanopia

36.8317, 0.3527, 0.3749

Deuteranopia

36.9379, 0.3481, 0.3415



Tritanopia

37.5125, 0.2277, 0.3053

Trichromacy



Original Color

37.5238, 0.2463, 0.4066



Protanomaly

34.6338, 0.2900, 0.3910



Deuteranomaly

34.3341, 0.2862, 0.3650



Tritanomaly

37.4136, 0.2326, 0.3403

Monochromacy



Original Color

37.5238, 0.2463, 0.4066



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.5512, 0.2647, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5238, 0.2463, 0.4066 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, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 143)  
}
```

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, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 143) }
```

Border

The CSS property to change the border of an element to Yxy 37.5238, 0.2463, 0.4066 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, 143) }
```

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

```
.border{ border-color:rgb(0, 187, 143) }
```

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, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5238, 0.2463, 0.4066 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, 143) }
```

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

```
.background{ background-color: rgb(0, 187,  
143) }
```

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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