

Converting Colors

$Y_{xy}(37.9720, 0.2572, 0.3978)$

Have a look what the booklet for
Yxy(37.9720, 0.2572, 0.3978)
contains.

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Color

Yxy(37.7664, 0.2573, 0.3975)

Conversions

Conversions Part 1

Format	Color
Hex	3EB991
RGB	62, 185, 145
RGB Percent	24%, 73%, 57%
CMY	0.7570, 0.2745, 0.4313
CMYK	0.67, 0.00, 0.22, 0.27
HSL	161°, 50%, 48%
HSV	161°, 67%, 73%
XYZ	24.4460, 37.7664, 32.7974
YIQ	143.6630, -60.4680, -38.5160

Conversions

Conversions Part 2

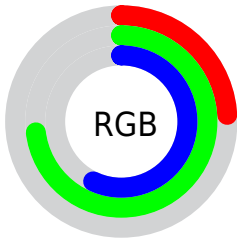
Format	Color
RYB	62, 135, 185
Decimal	4110737
CIELab	67.85, -43.44, 10.50
CIELCh	68, 44.690, 166.413
Yxy	37.7664, 0.2573, 0.3975
Android (android.graphics.Color)	4282300817 (0xFF3EB991)
YUV	143.6630, 0.6591, -71.6185
Hunter-Lab	61.4544, -36.5394, 11.3758

Details

The Yxy color **37.7664, 0.2573, 0.3975** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **14.7151, 0.4555, 0.2778**, and the grayscale version is **27.7607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8387, 0.2681, 0.3835**, and **17.0588, 0.2494, 0.4179** is the 20% darker color. If you saturate the color by 10%, you get **37.0879, 0.2545, 0.4099**, and if you desaturate by 10%, it is **38.6612, 0.2620, 0.3854**.

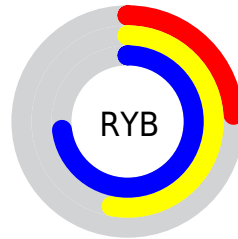
Distribution



Red (24%)

Green (73%)

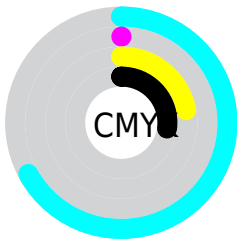
Blue (57%)



Red (24%)

Yellow (53%)

Blue (73%)

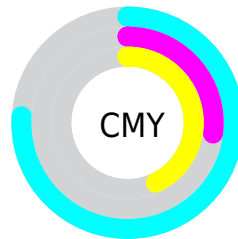


Cyan (67%)

Magenta (0%)

Yellow (22%)

Black (27%)



Cyan (76%)

Magenta (27%)

Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7664, 0.2573, 0.3975 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 37.7664, 0.2573, 0.3975 by changing the saturation by 10% instead.


 37.7664, 0.2573,
0.3975


 37.7664, 0.2573,
0.3975


336.6168, 0.2865,
0.3606


 25.8014, 0.2495,
0.4076


 71.7499, 0.2683,
0.3834

 16.6752, 0.2392,
0.4213


 94.5373, 0.2723,
0.3784

 10.0032, 0.2249,
0.4405


 121.7010, 0.2757,
0.3741

 5.4010, 0.2039,
0.4696

 153.6252, 0.2785,
0.3706

 2.4844, 0.1705,
0.5182

 190.6946, 0.2809,
0.3676

 0.8688, 0.0000,
0.8038

233.2934, 0.2831,

 0.0000, 0.0000,

0.3649

0.0000

281.8060, 0.2849,
0.3626

■ 37.7664, 0.2573,
0.3975

■ 37.7664, 0.2573,
0.3975

■ 37.0879, 0.2545,
0.4099

■ 38.6612, 0.2620,
0.3854

■ 36.5994, 0.2536,
0.4222

■ 39.7866, 0.2685,
0.3737

■ 36.2734, 0.2547,
0.4345

■ 41.1608, 0.2764,
0.3627

■ 36.1774, 0.2552,
0.4387

■ 42.7988, 0.2854,
0.3523

■ 44.7145, 0.2953,
0.3428

■ 46.9208, 0.3057,
0.3342

■ 49.4299, 0.3165,
0.3264

■ 52.2529, 0.3274,
0.3194

■ 55.4008, 0.3382,
0.3132

Harmonies

Analogous

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



37.7664, 0.3191, 0.4449



37.7664, 0.2573, 0.3975



37.7664, 0.2133, 0.3278

Triad

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



37.7664, 0.2573, 0.3975



37.7664, 0.2380, 0.2259



37.7664, 0.4460, 0.3671

Complementary

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



37.7664, 0.2573, 0.3975



14.7151, 0.4555, 0.2778

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.



37.7664, 0.4213, 0.3166



37.7664, 0.2573, 0.3975



37.7664, 0.2946, 0.2396

Square

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



37.7664, 0.2573, 0.3975



37.7664, 0.2040, 0.2345



37.7664, 0.3631, 0.2718



37.7664, 0.4300, 0.4152

Rectangle

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



37.7664, 0.2573, 0.3975



37.7664, 0.1984, 0.2858



37.7664, 0.3631, 0.2718



37.7664, 0.4424, 0.3501

Sweetspot

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



37.7679, 0.2573, 0.3975



78.7072, 0.2914, 0.3464



37.9297, 0.3291, 0.5242



16.7622, 0.2887, 0.3490



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.7679, 0.2573, 0.3975



65.9603, 0.2538, 0.4158



31.2558, 0.2274, 0.2948



10.1596, 0.3027, 0.3365



24.6461, 0.2548, 0.4372



0.8797, 0.2461, 0.4058

Inverse Universe

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



14.7151, 0.4555, 0.2778



21.7132, 0.5069, 0.2771



16.7688, 0.5067, 0.3551



9.0591, 0.3238, 0.3216



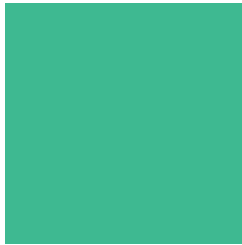
7.2582, 0.5639, 0.2880



0.2676, 0.4895, 0.2470

Previews

White Background



This preview shows how the Yxy color 37.7664, 0.2573, 0.3975 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 37.7664, 0.2573, 0.3975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

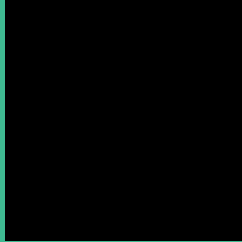
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7664, 0.2573, 0.3975

Background



This preview shows how black text looks on a background with the Yxy color 37.7664, 0.2573, 0.3975.

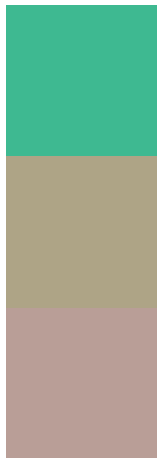


This preview shows how white text looks on a background with the Yxy color 37.7664, 0.2573, 0.3975.

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

37.7664, 0.2573, 0.3975

Protanopia

37.2708, 0.3496, 0.3719

Deuteranopia

37.0024, 0.3462, 0.3387



Tritanopia

37.8843, 0.2370, 0.3072

Trichromacy



Original Color

37.7664, 0.2573, 0.3975



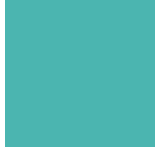
Protanomaly

36.3266, 0.3058, 0.3829



Deuteranomaly

35.7506, 0.3032, 0.3585



Tritanomaly

37.6782, 0.2437, 0.3369

Monochromacy



Original Color

37.7664, 0.2573, 0.3975



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

30.3873, 0.2843, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7664, 0.2573, 0.3975 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(62, 185, 145)` looks like.

```
.text, #text, p{  
    color:rgb(62, 185, 145)  
}
```

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(62, 185, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 185, 145) }
```

Border

The CSS property to change the border of an element to Yxy 37.7664, 0.2573, 0.3975 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(62, 185, 145) }
```

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

```
.border{ border-color:rgb(62, 185, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 185, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 185, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 185, 145);  
box-shadow:4px 4px 4px 4px rgb(62, 185,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7664, 0.2573, 0.3975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 185, 145) }
```

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

```
.background{ background-color: rgb(62, 185,  
145) }
```

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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