

Converting Colors

$Y_{xy}(37.3961, 0.2500, 0.3779)$

Have a look what the booklet for
Yxy(37.3961, 0.2500, 0.3779)
contains.

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Color

Yxy(37.5773, 0.2501, 0.3781)

Conversions

Conversions Part 1

Format	Color
Hex	3BB89B
RGB	59, 184, 155
RGB Percent	23%, 72%, 61%
CMY	0.7690, 0.2784, 0.3922
CMYK	0.68, 0.00, 0.16, 0.28
HSL	166°, 51%, 48%
HSV	166°, 68%, 72%
XYZ	24.8561, 37.5773, 36.9512
YIQ	143.3190, -65.1910, -35.5190

Conversions

Conversions Part 2

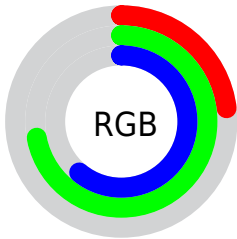
Format	Color
RYB	59, 130, 184
Decimal	3913883
CIELab	67.71, -41.07, 4.82
CIELCh	68, 41.349, 173.306
Yxy	37.5773, 0.2501, 0.3781
Android (android.graphics.Color)	4282103963 (0xFF3BB89B)
YUV	143.3190, 5.7587, -73.9478
Hunter-Lab	61.3003, -34.8973, 7.1709

Details

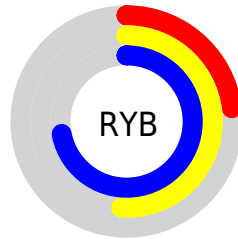
The Yxy color **37.5773, 0.2501, 0.3781** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **14.0139, 0.4829, 0.2931**, and the grayscale version is **27.5893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5790, 0.2623, 0.3692**, and **16.9647, 0.2423, 0.3921** is the 20% darker color. If you saturate the color by 10%, you get **36.9722, 0.2468, 0.3866**, and if you desaturate by 10%, it is **38.3884, 0.2553, 0.3697**.

Distribution



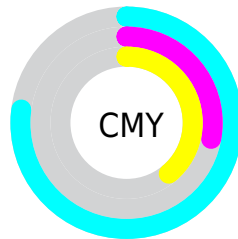
- Red (23%)
- Green (72%)
- Blue (61%)



- Red (23%)
- Yellow (51%)
- Blue (72%)



- Cyan (68%)
- Magenta (0%)
- Yellow (16%)
- Black (28%)




- Cyan (77%)
- Magenta (28%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5773, 0.2501, 0.3781 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 37.5773, 0.2501, 0.3781 by changing the saturation by 10% instead.


 37.5773, 0.2501,
0.3781


 37.5773, 0.2501,
0.3781


335.8032, 0.2826,
0.3522


 25.6548, 0.2416,
0.3851


 71.4598, 0.2622,
0.3683


 16.5656, 0.2305,
0.3943


 94.1885, 0.2666,
0.3648


 9.9252, 0.2154,
0.4071


 121.2882, 0.2704,
0.3618

 5.3494, 0.1936,
0.4260

 153.1431, 0.2736,
0.3593

 2.4537, 0.1602,
0.4565

 190.1376, 0.2763,
0.3571

 0.8533, 0.0000,
0.5904

232.6562, 0.2787,

 0.0000, 0.0000,

0.3552

0.0000

281.0833, 0.2808,
0.3536

■ 37.5773, 0.2501,
0.3781

■ 37.5773, 0.2501,
0.3781

■ 36.9722, 0.2468,
0.3866

■ 38.3884, 0.2553,
0.3697

■ 36.5467, 0.2454,
0.3952

■ 39.4200, 0.2623,
0.3616

■ 36.2679, 0.2458,
0.4036

■ 40.6900, 0.2708,
0.3538

■ 36.2182, 0.2459,
0.4053

■ 42.2136, 0.2807,
0.3465

■ 44.0045, 0.2915,
0.3398

■ 46.0754, 0.3031,
0.3335

■ 48.4383, 0.3152,
0.3279

■ 51.1044, 0.3274,
0.3229

■ 54.0844, 0.3397,
0.3184

Harmonies

Analogous

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



37.5773, 0.3053, 0.4289



37.5773, 0.2501, 0.3781



37.5773, 0.2139, 0.3141

Triad

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



37.5773, 0.2501, 0.3781



37.5773, 0.2537, 0.2336



37.5773, 0.4364, 0.3764

Complementary

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



37.5773, 0.2501, 0.3781



14.0139, 0.4829, 0.2931

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.



37.5773, 0.4218, 0.3287



37.5773, 0.2501, 0.3781



37.5773, 0.3104, 0.2508

Square

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



37.5773, 0.2501, 0.3781



37.5773, 0.2163, 0.2369



37.5773, 0.3736, 0.2845



37.5773, 0.4142, 0.4188

Rectangle

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



37.5773, 0.2501, 0.3781



37.5773, 0.2035, 0.2780



37.5773, 0.3736, 0.2845



37.5773, 0.4358, 0.3606

Sweetspot

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



37.5788, 0.2501, 0.3781



78.9526, 0.2889, 0.3413



36.6797, 0.3197, 0.5340



16.8217, 0.2859, 0.3432



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.



37.5788, 0.2501, 0.3781



66.5606, 0.2458, 0.3912



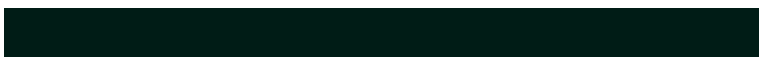
26.4092, 0.2208, 0.2717



10.1740, 0.3015, 0.3344



24.9695, 0.2456, 0.4043



0.8891, 0.2396, 0.3825

Inverse Universe

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



14.0139, 0.4829, 0.2931



20.9280, 0.5435, 0.2955



18.2079, 0.4984, 0.3718



9.0454, 0.3252, 0.3237



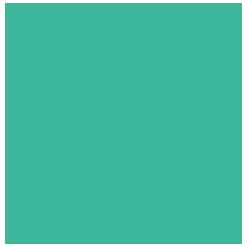
7.1510, 0.5955, 0.3054



0.2618, 0.5222, 0.2650

Previews

White Background



This preview shows how the Yxy color 37.5773, 0.2501, 0.3781 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 37.5773, 0.2501, 0.3781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

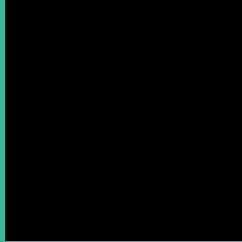
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

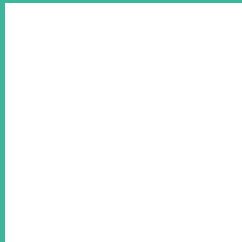
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.5773, 0.2501, 0.3781

Background



This preview shows how black text looks on a background with the Yxy color 37.5773, 0.2501, 0.3781.

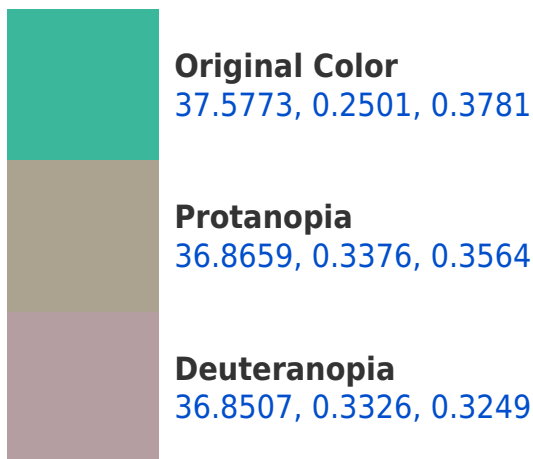


This preview shows how white text looks on a background with the Yxy color 37.5773, 0.2501, 0.3781.

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





Tritanopia

37.6270, 0.2344, 0.3070

Trichromacy



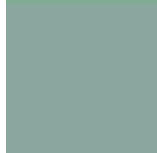
Original Color

37.5773, 0.2501, 0.3781



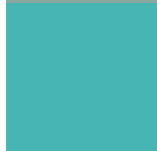
Protanomaly

36.0098, 0.2954, 0.3654



Deuteranomaly

35.4590, 0.2925, 0.3413



Tritanomaly

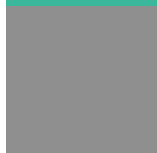
37.6045, 0.2400, 0.3320

Monochromacy



Original Color

37.5773, 0.2501, 0.3781



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

30.0050, 0.2801, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5773, 0.2501, 0.3781 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(59, 184, 155)` looks like.

```
.text, #text, p{  
    color:rgb(59, 184, 155)  
}
```

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(59, 184, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 184, 155) }
```

Border

The CSS property to change the border of an element to Yxy 37.5773, 0.2501, 0.3781 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(59, 184, 155) }
```

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

```
.border{ border-color:rgb(59, 184, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 184, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 184, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 184, 155);  
box-shadow:4px 4px 4px 4px rgb(59, 184,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5773, 0.2501, 0.3781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 184, 155) }
```

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

```
.background{ background-color: rgb(59, 184,  
155) }
```

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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