

Converting Colors

$Y_{xy}(40.3778, 0.2609, 0.3714)$

Have a look what the booklet for
Yxy(40.3778, 0.2609, 0.3714)
contains.

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Color

Yxy(40.2377, 0.2609, 0.3707)

Conversions

Conversions Part 1

Format	Color
Hex	59BBA1
RGB	89, 187, 161
RGB Percent	35%, 73%, 63%
CMY	0.6511, 0.2666, 0.3687
CMYK	0.52, 0.00, 0.14, 0.27
HSL	164°, 42%, 54%
HSV	164°, 52%, 73%
XYZ	28.3194, 40.2377, 39.9880
YIQ	154.7340, -50.0620, -28.8620

Conversions

Conversions Part 2

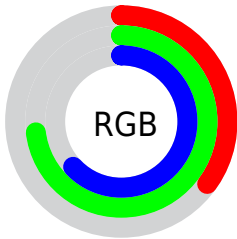
Format	Color
RYB	89, 145, 187
Decimal	5880737
CIELab	69.64, -35.18, 4.43
CIELCh	70, 35.456, 172.827
Yxy	40.2377, 0.2609, 0.3707
Android (android.graphics.Color)	4284070817 (0xFF59BBA1)
YUV	154.7340, 3.0891, -57.6487
Hunter-Lab	63.4332, -31.3176, 7.0270

Details

The Yxy color **40.2377, 0.2609, 0.3707** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **18.9413, 0.4208, 0.2935**, and the grayscale version is **32.6534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7702, 0.2708, 0.3626**, and **18.0950, 0.2448, 0.3825** is the 20% darker color. If you saturate the color by 10%, you get **39.2576, 0.2550, 0.3803**, and if you desaturate by 10%, it is **41.4629, 0.2685, 0.3615**.

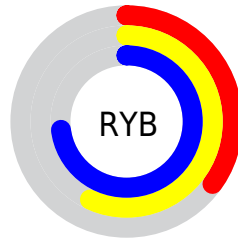
Distribution



Red (35%)

Green (73%)

Blue (63%)



Red (35%)

Yellow (57%)

Blue (73%)

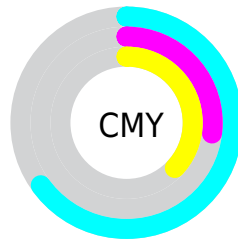


Cyan (52%)

Magenta (0%)

Yellow (14%)

Black (27%)



Cyan (65%)

Magenta (27%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2377, 0.2609, 0.3707 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 40.2377, 0.2609, 0.3707 by changing the saturation by 10% instead.


 40.2377, 0.2609,
0.3707


 40.2377, 0.2609,
0.3707

347.1244, 0.2875,
0.3489

 27.7239, 0.2540,
0.3764


 75.5253, 0.2708,
0.3626

 18.1177, 0.2451,
0.3840


 99.0680, 0.2744,
0.3596

 11.0345, 0.2329,
0.3944


 127.0557, 0.2775,
0.3571

 6.0900, 0.2156,
0.4096

 159.8729, 0.2801,
0.3550

 2.8999, 0.1889,
0.4337

197.9040, 0.2823,
0.3531

 1.0797, 0.0745,
0.5172

241.5334, 0.2843,

 0.0000, 0.0000,

0.3516

0.0000

291.1454, 0.2860,
0.3502

■ 40.2377, 0.2609,
0.3707

■ 40.2377, 0.2609,
0.3707

■ 39.2576, 0.2550,
0.3803

■ 41.4629, 0.2685,
0.3615

■ 38.4995, 0.2509,
0.3901

■ 42.9448, 0.2775,
0.3528

■ 37.9441, 0.2487,
0.4000

■ 44.6997, 0.2876,
0.3447

■ 37.5665, 0.2485,
0.4099

■ 46.7415, 0.2985,
0.3373

■ 37.3618, 0.2493,
0.4173

■ 49.0830, 0.3099,
0.3305

■ 51.7362, 0.3216,
0.3245

■ 54.7124, 0.3334,
0.3190

■ 58.0224, 0.3451,
0.3142

■ 61.2438, 0.3547,
0.3099

Harmonies

Analogous

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



40.2377, 0.3082, 0.4117



40.2377, 0.2609, 0.3707



40.2377, 0.2291, 0.3183

Triad

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



40.2377, 0.2609, 0.3707



40.2377, 0.2623, 0.2473



40.2377, 0.4167, 0.3702

Complementary

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



40.2377, 0.2609, 0.3707



18.9413, 0.4208, 0.2935

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.



40.2377, 0.4035, 0.3292



40.2377, 0.2609, 0.3707



40.2377, 0.3104, 0.2617

Square

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



40.2377, 0.2609, 0.3707



40.2377, 0.2301, 0.2510



40.2377, 0.3632, 0.2908



40.2377, 0.3994, 0.4055

Rectangle

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



40.2377, 0.2609, 0.3707



40.2377, 0.2195, 0.2876



40.2377, 0.3632, 0.2908



40.2377, 0.4158, 0.3567

Sweetspot

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



40.2393, 0.2609, 0.3707



82.2428, 0.2942, 0.3401



39.9171, 0.3238, 0.4849



17.9446, 0.2920, 0.3416



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.



40.2393, 0.2609, 0.3707



70.0611, 0.2542, 0.3818



32.3079, 0.2387, 0.2922



10.7651, 0.3019, 0.3352



25.7523, 0.2489, 0.4161



1.0190, 0.2424, 0.3926

Inverse Universe

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



18.9413, 0.4208, 0.2935



27.7872, 0.4605, 0.2884



22.8392, 0.4436, 0.3609



9.5768, 0.3248, 0.3229



7.4461, 0.5852, 0.2998



0.3029, 0.5149, 0.2610

Previews

White Background



This preview shows how the Yxy color 40.2377, 0.2609, 0.3707 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 40.2377, 0.2609, 0.3707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

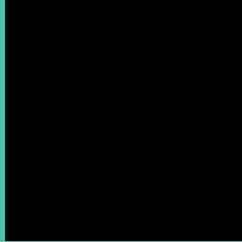
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2377, 0.2609, 0.3707

Background



This preview shows how black text looks on a background with the Yxy color 40.2377, 0.2609, 0.3707.

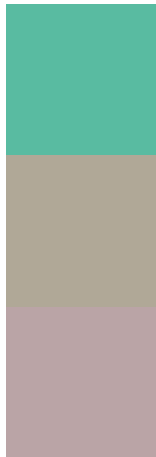


This preview shows how white text looks on a background with the Yxy color 40.2377, 0.2609, 0.3707.

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

40.2377, 0.2609, 0.3707

Protanopia

39.4697, 0.3351, 0.3528

Deuteranopia

39.7432, 0.3318, 0.3264



Tritanopia

40.1964, 0.2445, 0.3065

Trichromacy



Original Color

40.2377, 0.2609, 0.3707

Protanomaly

38.9558, 0.3018, 0.3590

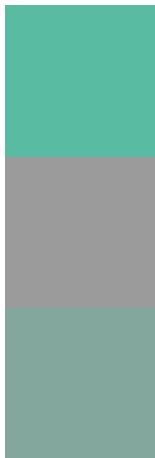
Deuteranomaly

38.7647, 0.3007, 0.3407

Tritanomaly

40.2285, 0.2502, 0.3288

Monochromacy



Original Color

40.2377, 0.2609, 0.3707

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.8970, 0.2890, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2377, 0.2609, 0.3707 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(89, 187, 161)` looks like.

```
.text, #text, p{  
    color:rgb(89, 187, 161)  
}
```

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(89, 187, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 187, 161) }
```

Border

The CSS property to change the border of an element to Yxy 40.2377, 0.2609, 0.3707 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(89, 187, 161) }
```

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

```
.border{ border-color:rgb(89, 187, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 187, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 187, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 187, 161);  
box-shadow:4px 4px 4px 4px rgb(89, 187,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2377, 0.2609, 0.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 187, 161) }
```

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

```
.background{ background-color: rgb(89, 187,  
161) }
```

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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