

Converting Colors

$Yxy(40.9797, 0.2570, 0.3453)$

Have a look what the booklet for
Yxy(40.9797, 0.2570, 0.3453)
contains.

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Color

Yxy(40.8491, 0.2565, 0.3443)

Conversions

Conversions Part 1

Format	Color
Hex	62BAB0
RGB	98, 186, 176
RGB Percent	38%, 73%, 69%
CMY	0.6157, 0.2706, 0.3097
CMYK	0.47, 0.00, 0.05, 0.27
HSL	173°, 39%, 56%
HSV	173°, 47%, 73%
XYZ	30.4322, 40.8491, 47.3627
YIQ	158.5480, -49.2380, -21.7660

Conversions

Conversions Part 2

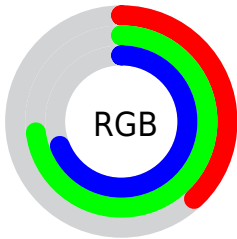
Format	Color
RYB	98, 145, 186
Decimal	6470320
CIELab	70.07, -28.93, -3.14
CIELCh	70, 29.102, 186.197
Yxy	40.8491, 0.2565, 0.3443
Android (android.graphics.Color)	4284660400 (0xFF62BAB0)
YUV	158.5480, 8.6038, -53.1006
Hunter-Lab	63.9133, -26.8559, 0.8027

Details

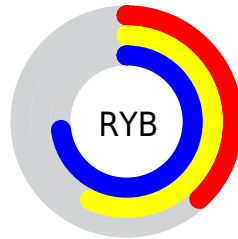
The Yxy color **40.8491, 0.2565, 0.3443** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **20.2545, 0.4254, 0.3154**, and the grayscale version is **34.4305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2005, 0.2666, 0.3406**, and **18.3891, 0.2398, 0.3466** is the 20% darker color. If you saturate the color by 10%, you get **39.8507, 0.2485, 0.3481**, and if you desaturate by 10%, it is **42.0924, 0.2662, 0.3407**.

Distribution



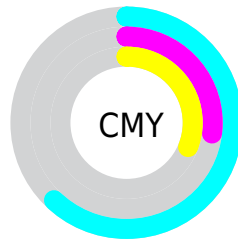
- Red (38%)
- Green (73%)
- Blue (69%)



- Red (38%)
- Yellow (57%)
- Blue (73%)



- Cyan (47%)
- Magenta (0%)
- Yellow (5%)
- Black (27%)





- Cyan (62%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8491, 0.2565, 0.3443 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 40.8491, 0.2565, 0.3443 by changing the saturation by 10% instead.


 40.8491, 0.2565,
0.3443


 40.8491, 0.2565,
0.3443


349.6895, 0.2849,
0.3368

 28.2012, 0.2493,
0.3461


 76.4548, 0.2669,
0.3416


 18.4774, 0.2401,
0.3484


 100.1813, 0.2708,
0.3406

 11.2933, 0.2277,
0.3513


 128.3695, 0.2740,
0.3398

 6.2644, 0.2105,
0.3551

 161.4038, 0.2768,
0.3390

 3.0065, 0.1847,
0.3604

199.6686, 0.2793,
0.3384

 1.1351, 0.1177,
0.3781

243.5482, 0.2814,

 0.0078, 0.0000,

0.3378

0.0329

293.4270, 0.2833,
0.3373

■ 0.0000, 0.0000,
0.0000

■ 40.8491, 0.2565,
0.3443

■ 40.8491, 0.2565,
0.3443

■ 39.8507, 0.2485,
0.3481

■ 42.0924, 0.2662,
0.3407

■ 39.0756, 0.2423,
0.3520

■ 43.5910, 0.2773,
0.3372

■ 38.5061, 0.2380,
0.3559


■ 45.3606, 0.2896,
0.3340

■ 38.1200, 0.2355,
0.3598


■ 47.4142, 0.3027,
0.3310


■ 37.8852, 0.2347,
0.3636


■ 49.7639, 0.3164,
0.3283

 37.8324, 0.2346,
0.3647

 52.4212, 0.3305,
0.3259

 55.3969, 0.3447,
0.3237

 58.7014, 0.3588,
0.3218

 60.3203, 0.3639,
0.3198

Harmonies

Analogous

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



40.8491, 0.2912, 0.3831



40.8491, 0.2565, 0.3443



40.8491, 0.2372, 0.3036

Triad

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



40.8491, 0.2565, 0.3443



40.8491, 0.2880, 0.2645



40.8491, 0.3945, 0.3780

Complementary

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



40.8491, 0.2565, 0.3443



20.2545, 0.4254, 0.3154

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.



40.8491, 0.3947, 0.3454



40.8491, 0.2565, 0.3443



40.8491, 0.3307, 0.2826

Square

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



40.8491, 0.2565, 0.3443



40.8491, 0.2543, 0.2609



40.8491, 0.3707, 0.3114



40.8491, 0.3714, 0.4009

Rectangle

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



40.8491, 0.2565, 0.3443



40.8491, 0.2346, 0.2822



40.8491, 0.3707, 0.3114



40.8491, 0.3974, 0.3678

Sweetspot

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



40.8507, 0.2565, 0.3443



83.3084, 0.2935, 0.3330



39.2053, 0.3132, 0.4727



18.1755, 0.2907, 0.3337



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.



40.8507, 0.2565, 0.3443



72.1292, 0.2480, 0.3483



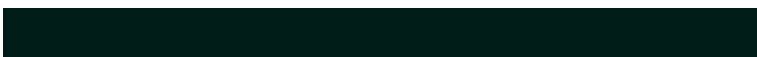
28.6835, 0.2408, 0.2744



10.1926, 0.3000, 0.3316



25.4582, 0.2345, 0.3642



0.9025, 0.2317, 0.3542

Inverse Universe

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



20.2545, 0.4254, 0.3154



30.2080, 0.4672, 0.3133



27.7496, 0.4161, 0.3765



9.0284, 0.3270, 0.3264



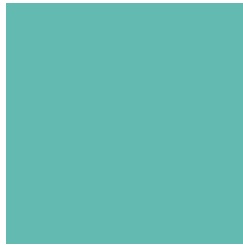
7.0656, 0.6243, 0.3213



0.2546, 0.5743, 0.2938

Previews

White Background



This preview shows how the Yxy color 40.8491, 0.2565, 0.3443 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 40.8491, 0.2565, 0.3443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

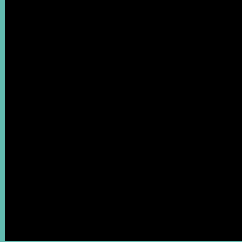
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

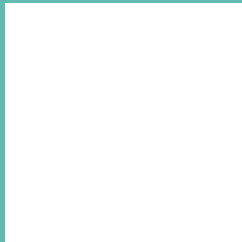
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8491, 0.2565, 0.3443

Background



This preview shows how black text looks on a background with the Yxy color 40.8491, 0.2565, 0.3443.

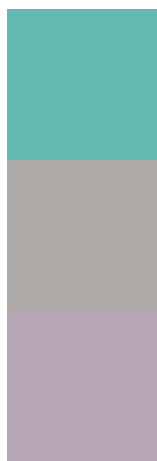


This preview shows how white text looks on a background with the Yxy color 40.8491, 0.2565, 0.3443.

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

40.8491, 0.2565, 0.3443

Protanopia

40.5381, 0.3189, 0.3331

Deuteranopia

40.1506, 0.3155, 0.3091



Tritanopia

40.9474, 0.2468, 0.3067

Trichromacy



Original Color

40.8491, 0.2565, 0.3443

Protanomaly

40.0639, 0.2919, 0.3377

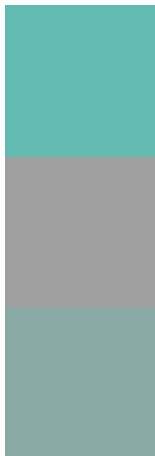
Deuteranomaly

39.7211, 0.2891, 0.3204

Tritanomaly

40.8235, 0.2500, 0.3198

Monochromacy



Original Color

40.8491, 0.2565, 0.3443

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.4109, 0.2880, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8491, 0.2565, 0.3443 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(98, 186, 176)` looks like.

```
.text, #text, p{  
    color:rgb(98, 186, 176)  
}
```

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(98, 186, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 186, 176) }
```

Border

The CSS property to change the border of an element to Yxy 40.8491, 0.2565, 0.3443 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(98, 186, 176) }
```

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

```
.border{ border-color:rgb(98, 186, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 186, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 186, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 186, 176);  
box-shadow:4px 4px 4px 4px rgb(98, 186,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8491, 0.2565, 0.3443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 186, 176) }
```

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

```
.background{ background-color: rgb(98, 186,  
176) }
```

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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