

Converting Colors

$Yxy(38.4453, 0.2671, 0.3887)$

Have a look what the booklet for
Yxy(38.4453, 0.2671, 0.3887)
contains.

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Color

Yxy(38.4453, 0.2671, 0.3887)

Conversions

Conversions Part 1

Format	Color
Hex	57B894
RGB	87, 184, 148
RGB Percent	34%, 72%, 58%
CMY	0.6587, 0.2784, 0.4196
CMYK	0.53, 0.00, 0.20, 0.28
HSL	158°, 41%, 53%
HSV	158°, 53%, 72%
XYZ	26.4182, 38.4453, 34.0439
YIQ	150.8930, -46.2560, -31.7600

Conversions

Conversions Part 2

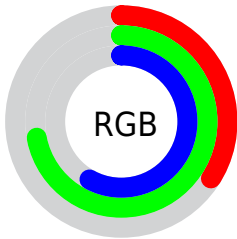
Format	Color
RYB	87, 147, 184
Decimal	5748884
CIELab	68.35, -37.26, 9.68
CIElCh	68, 38.499, 165.434
Yxy	38.4453, 0.2671, 0.3887
Android (android.graphics.Color)	4283938964 (0xFF57B894)
YUV	150.8930, -1.4262, -56.0342
Hunter-Lab	62.0043, -32.4540, 10.8494

Details

The Yxy color **38.4453, 0.2671, 0.3887** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **18.4430, 0.4048, 0.2790**, and the grayscale version is **30.9243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.0145, 0.2760, 0.3771**, and **16.9989, 0.2523, 0.4095** is the 20% darker color. If you saturate the color by 10%, you get **37.4608, 0.2621, 0.4025**, and if you desaturate by 10%, it is **39.6713, 0.2737, 0.3755**.

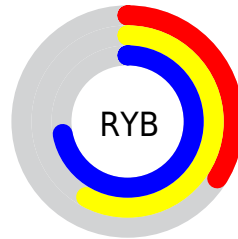
Distribution



Red (34%)

Green (72%)

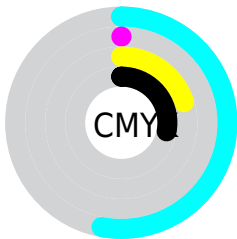
Blue (58%)



Red (34%)

Yellow (58%)

Blue (72%)

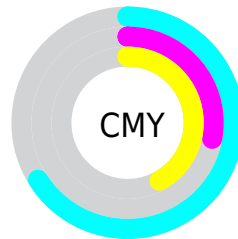


Cyan (53%)

Magenta (0%)

Yellow (20%)

Black (28%)



Cyan (66%)


Magenta (28%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4453, 0.2671, 0.3887 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 38.4453, 0.2671, 0.3887 by changing the saturation by 10% instead.


 38.4453, 0.2671,
0.3887


 38.4453, 0.2671,
0.3887


339.5263, 0.2911,
0.3568


 26.3285, 0.2607,
0.3974


 72.7902, 0.2761,
0.3766


 17.0695, 0.2522,
0.4091


 95.7870, 0.2794,
0.3722

 10.2841, 0.2405,
0.4255


 123.1793, 0.2822,
0.3685

 5.5877, 0.2233,
0.4502

 155.3514, 0.2845,
0.3654

 2.5960, 0.1957,
0.4912

192.6878, 0.2865,
0.3628

 0.9247, 0.0000,
0.7374

235.5728, 0.2882,

 0.0000, 0.0000,

0.3605

0.0000

284.3909, 0.2898,
0.3585

■ 38.4453, 0.2671,
0.3887

■ 38.4453, 0.2671,
0.3887

■ 37.4608, 0.2621,
0.4025

■ 39.6713, 0.2737,
0.3755

■ 36.6956, 0.2589,
0.4168

■ 41.1502, 0.2816,
0.3630

■ 36.1308, 0.2577,
0.4311

■ 42.8979, 0.2905,
0.3515

■ 35.7423, 0.2584,
0.4452

■ 44.9279, 0.3000,
0.3409

■ 35.5346, 0.2598,
0.4554

■ 47.2525, 0.3100,
0.3314

■ 49.8834, 0.3201,
0.3229

■ 52.8318, 0.3303,
0.3153

■ 56.1080, 0.3403,
0.3085

■ 59.7222, 0.3501,
0.3027

Harmonies

Analogous

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



38.4453, 0.3212, 0.4275



38.4453, 0.2671, 0.3887



38.4453, 0.2276, 0.3307

Triad

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



38.4453, 0.2671, 0.3887



38.4453, 0.2468, 0.2389



38.4453, 0.4270, 0.3623

Complementary

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



38.4453, 0.2671, 0.3887



18.4430, 0.4048, 0.2790

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.



38.4453, 0.4043, 0.3178



38.4453, 0.2671, 0.3887



38.4453, 0.2957, 0.2502

Square

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



38.4453, 0.2671, 0.3887



38.4453, 0.2172, 0.2478



38.4453, 0.3543, 0.2782



38.4453, 0.4153, 0.4038

Rectangle

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



38.4453, 0.2671, 0.3887



38.4453, 0.2135, 0.2945



38.4453, 0.3543, 0.2782



38.4453, 0.4232, 0.3474

Sweetspot

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



38.4468, 0.2671, 0.3887



80.0709, 0.2965, 0.3446



39.2699, 0.3332, 0.4810



17.0990, 0.2946, 0.3467



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.



38.4468, 0.2671, 0.3887



67.6975, 0.2615, 0.4045



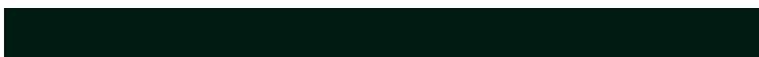
35.2558, 0.2422, 0.3108



10.1525, 0.3033, 0.3376



24.5042, 0.2594, 0.4537



0.8754, 0.2493, 0.4176

Inverse Universe

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



18.4430, 0.4048, 0.2790



27.6027, 0.4371, 0.2713



19.6793, 0.4540, 0.3451



9.0659, 0.3231, 0.3205



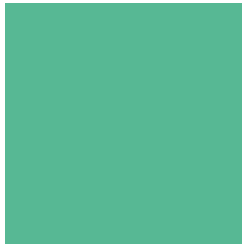
7.3261, 0.5461, 0.2782



0.2704, 0.4752, 0.2391

Previews

White Background



This preview shows how the Yxy color 38.4453, 0.2671, 0.3887 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 38.4453, 0.2671, 0.3887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

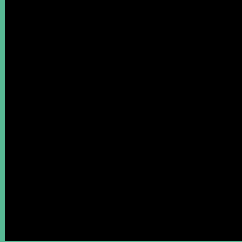
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4453, 0.2671, 0.3887

Background



This preview shows how black text looks on a background with the Yxy color 38.4453, 0.2671, 0.3887.

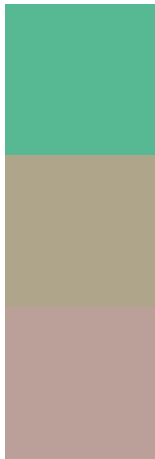


This preview shows how white text looks on a background with the Yxy color 38.4453, 0.2671, 0.3887.

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

38.4453, 0.2671, 0.3887

Protanopia

37.8883, 0.3457, 0.3659

Deuteranopia

37.8806, 0.3448, 0.3386



Tritanopia

38.3559, 0.2461, 0.3076

Trichromacy



Original Color

38.4453, 0.2671, 0.3887



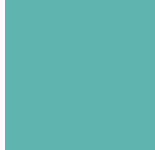
Protanomaly

37.2977, 0.3114, 0.3752



Deuteranomaly

37.0943, 0.3105, 0.3561



Tritanomaly

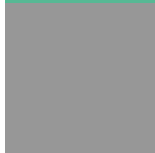
38.2100, 0.2533, 0.3351

Monochromacy



Original Color

38.4453, 0.2671, 0.3887



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

32.9856, 0.2918, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4453, 0.2671, 0.3887 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(87, 184, 148)` looks like.

```
.text, #text, p{  
    color:rgb(87, 184, 148)  
}
```

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(87, 184, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 184, 148) }
```

Border

The CSS property to change the border of an element to Yxy 38.4453, 0.2671, 0.3887 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(87, 184, 148) }
```

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

```
.border{ border-color:rgb(87, 184, 148) }
```

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

Here you see how a box with a 4 pixel rgb(87, 184, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 184, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 184, 148);  
box-shadow:4px 4px 4px 4px rgb(87, 184,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4453, 0.2671, 0.3887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 184, 148) }
```

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

```
.background{ background-color: rgb(87, 184,  
148) }
```

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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