

Converting Colors

$Yxy(40.3908, 0.2638, 0.3634)$

Have a look what the booklet for
Yxy(40.3908, 0.2638, 0.3634)
contains.

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Color

Yxy(40.3948, 0.2638, 0.3637)

Conversions

Conversions Part 1

Format	Color
Hex	62BAA4
RGB	98, 186, 164
RGB Percent	38%, 73%, 64%
CMY	0.6155, 0.2706, 0.3569
CMYK	0.47, 0.00, 0.12, 0.27
HSL	165°, 39%, 56%
HSV	165°, 47%, 73%
XYZ	29.2993, 40.3948, 41.3722
YIQ	157.1800, -45.3860, -25.4980

Conversions

Conversions Part 2

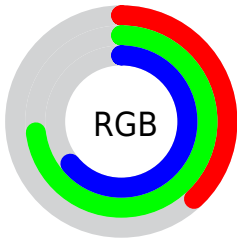
Format	Color
RYB	98, 148, 186
Decimal	6470308
CIELab	69.75, -31.85, 2.99
CIElCh	70, 31.990, 174.645
Yxy	40.3948, 0.2638, 0.3637
Android (android.graphics.Color)	4284660388 (0xFF62BAA4)
YUV	157.1800, 3.3623, -51.9009
Hunter-Lab	63.5569, -28.9374, 5.8952

Details

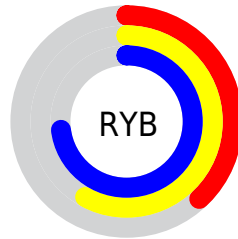
The Yxy color **40.3948, 0.2638, 0.3637** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **20.5388, 0.4070, 0.2984**, and the grayscale version is **33.8067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0857, 0.2732, 0.3574**, and **18.1235, 0.2492, 0.3747** is the 20% darker color. If you saturate the color by 10%, you get **39.3137, 0.2569, 0.3725**, and if you desaturate by 10%, it is **41.7257, 0.2723, 0.3553**.

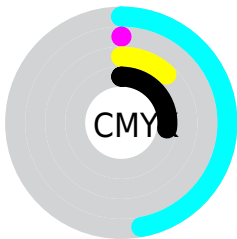
Distribution



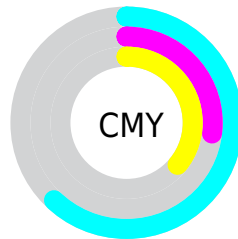
- Red (38%)
- Green (73%)
- Blue (64%)



- Red (38%)
- Yellow (58%)
- Blue (73%)



- Cyan (47%)
- Magenta (0%)
- Yellow (12%)
- Black (27%)





- Cyan (62%)
- Magenta (27%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3948, 0.2638, 0.3637 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 40.3948, 0.2638, 0.3637 by changing the saturation by 10% instead.


 40.3948, 0.2638,
0.3637


 40.3948, 0.2638,
0.3637


347.7848, 0.2889,
0.3457

 27.8465, 0.2574,
0.3684


 75.7643, 0.2731,
0.3570


 18.2100, 0.2490,
0.3746

 99.3543, 0.2765,
0.3545

 11.1008, 0.2376,
0.3830


 127.3937, 0.2794,
0.3525

 6.1347, 0.2215,
0.3952

 160.2668, 0.2818,
0.3507

 2.9272, 0.1967,
0.4145

198.3581, 0.2839,
0.3492

 1.0938, 0.1076,
0.4738

242.0519, 0.2858,

 0.0000, 0.0000,

0.3479

0.0000

291.7327, 0.2874,
0.3467

■ 40.3948, 0.2638,
0.3637

■ 40.3948, 0.2638,
0.3637

■ 39.3137, 0.2569,
0.3725

■ 41.7257, 0.2723,
0.3553

■ 38.4605, 0.2517,
0.3816

■ 43.3169, 0.2820,
0.3474

■ 37.8179, 0.2484,
0.3909


■ 45.1841, 0.2927,
0.3401


■ 37.3634, 0.2471,
0.4002

■ 47.3403, 0.3041,
0.3335


■ 37.0650, 0.2475,
0.4094

■ 49.7977, 0.3159,
0.3274

 36.9953, 0.2477,
0.4119

 52.5679, 0.3280,
0.3220

 55.6617, 0.3400,
0.3172

 59.0895, 0.3518,
0.3130

 60.8273, 0.3547,
0.3086

Harmonies

Analogous

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



40.3948, 0.3062, 0.4013



40.3948, 0.2638, 0.3637



40.3948, 0.2357, 0.3170

Triad

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



40.3948, 0.2638, 0.3637



40.3948, 0.2695, 0.2549



40.3948, 0.4063, 0.3692

Complementary

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



40.3948, 0.2638, 0.3637



20.5388, 0.4070, 0.2984

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.



40.3948, 0.3959, 0.3319



40.3948, 0.2638, 0.3637



40.3948, 0.3137, 0.2690

Square

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



40.3948, 0.2638, 0.3637



40.3948, 0.2389, 0.2576



40.3948, 0.3610, 0.2964



40.3948, 0.3895, 0.4001

Rectangle

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



40.3948, 0.2638, 0.3637



40.3948, 0.2277, 0.2898



40.3948, 0.3610, 0.2964



40.3948, 0.4060, 0.3570

Sweetspot

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



40.3964, 0.2638, 0.3637



83.0388, 0.2962, 0.3380



40.1008, 0.3236, 0.4681



18.1074, 0.2937, 0.3395



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.



40.3964, 0.2638, 0.3637



71.1460, 0.2565, 0.3731



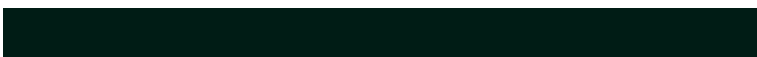
33.2259, 0.2448, 0.2964



10.1712, 0.3018, 0.3348



24.9021, 0.2474, 0.4107



0.8871, 0.2408, 0.3870

Inverse Universe

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



20.5388, 0.4070, 0.2984



30.7115, 0.4418, 0.2930



24.4115, 0.4255, 0.3581



9.0481, 0.3250, 0.3233



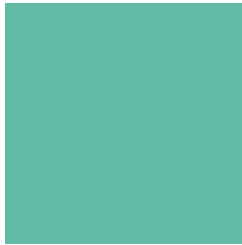
7.1690, 0.5898, 0.3023



0.2630, 0.5153, 0.2612

Previews

White Background



This preview shows how the Yxy color 40.3948, 0.2638, 0.3637 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 40.3948, 0.2638, 0.3637 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

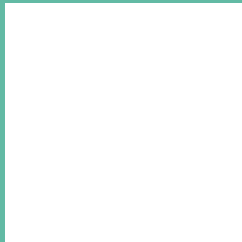
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.3948, 0.2638, 0.3637

Background



This preview shows how black text looks on a background with the Yxy color 40.3948, 0.2638, 0.3637.



This preview shows how white text looks on a background with the Yxy color 40.3948, 0.2638, 0.3637.

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

40.3948, 0.2638, 0.3637

Protanopia

39.9726, 0.3314, 0.3485

Deuteranopia

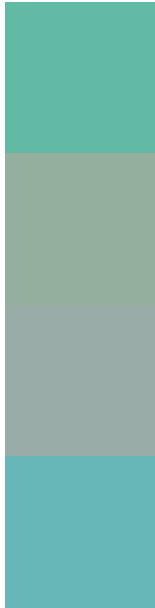
39.8546, 0.3291, 0.3224



Tritanopia

40.1591, 0.2485, 0.3066

Trichromacy



Original Color

40.3948, 0.2638, 0.3637

Protanomaly

39.4245, 0.3029, 0.3542

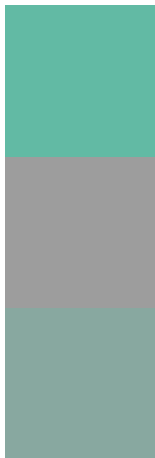
Deuteranomaly

39.1651, 0.3009, 0.3362

Tritanomaly

40.2707, 0.2543, 0.3273

Monochromacy



Original Color

40.3948, 0.2638, 0.3637

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

35.7776, 0.2909, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3948, 0.2638, 0.3637 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(98, 186, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 186, 164) }
```

Border

The CSS property to change the border of an element to Yxy 40.3948, 0.2638, 0.3637 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, 164) }
```

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

```
.border{ border-color:rgb(98, 186, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 186, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 186, 164);  
box-shadow:4px 4px 4px 4px rgb(98, 186,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3948, 0.2638, 0.3637 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, 164) }
```

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

```
.background{ background-color: rgb(98, 186,  
164) }
```

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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