

Converting Colors

$Yxy(40.8917, 0.2888, 0.4043)$

Have a look what the booklet for
Yxy(40.8917, 0.2888, 0.4043)
contains.

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Color

Yxy(40.8788, 0.2883, 0.4038)

Conversions

Conversions Part 1

Format	Color
Hex	70BB8C
RGB	112, 187, 140
RGB Percent	44%, 73%, 55%
CMY	0.5608, 0.2667, 0.4509
CMYK	0.40, 0.00, 0.25, 0.27
HSL	142°, 36%, 59%
HSV	142°, 40%, 73%
XYZ	29.1861, 40.8788, 31.1703
YIQ	159.2170, -29.6130, -30.5170

Conversions

Conversions Part 2

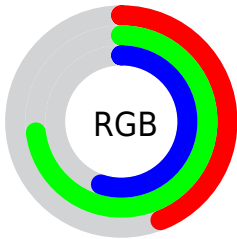
Format	Color
RYB	112, 167, 187
Decimal	7388044
CIELab	70.09, -33.76, 16.62
CIELCh	70, 37.626, 153.786
Yxy	40.8788, 0.2883, 0.4038
Android (android.graphics.Color)	4285578124 (0xFF70BB8C)
YUV	159.2170, -9.4740, -41.4093
Hunter-Lab	63.9365, -30.4062, 15.8505

Details

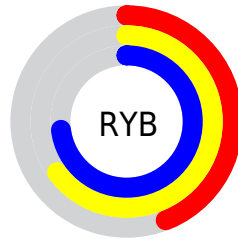
The Yxy color **40.8788, 0.2883, 0.4038** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.6539, 0.3498, 0.2650**, and the grayscale version is **34.8302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8119, 0.2936, 0.3886**, and **18.4430, 0.2794, 0.4281** is the 20% darker color. If you saturate the color by 10%, you get **39.4513, 0.2838, 0.4268**, and if you desaturate by 10%, it is **42.6012, 0.2937, 0.3823**.

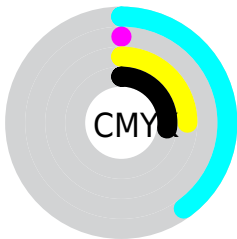
Distribution



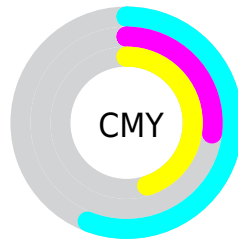
- Red (44%)
- Green (73%)
- Blue (55%)



- Red (44%)
- Yellow (65%)
- Blue (73%)



- Cyan (40%)
- Magenta (0%)
- Yellow (25%)
- Black (27%)





- Cyan (56%)
- Magenta (27%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8788, 0.2883, 0.4038 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 40.8788, 0.2883, 0.4038 by changing the saturation by 10% instead.


 40.8788, 0.2883,
0.4038


 40.8788, 0.2883,
0.4038


349.8138, 0.3017,
0.3638

 28.2244, 0.2846,
0.4147


 76.4999, 0.2934,
0.3886

 18.4949, 0.2795,
0.4293


 100.2353, 0.2953,
0.3831

 11.3059, 0.2722,
0.4497


 128.4333, 0.2968,
0.3785

 6.2730, 0.2611,
0.4803


161.4781, 0.2981,
0.3747

 3.0118, 0.2421,
0.5305

199.7541, 0.2992,
0.3714

 1.1379, 0.1663,
0.7957

243.6458, 0.3001,

 0.0101, 0.0000,

0.3685

1.0000

293.5376, 0.3009,
0.3660

0.0000, 0.0000,
0.0000

40.8788, 0.2883,
0.4038

40.8788, 0.2883,
0.4038

39.4513, 0.2838,
0.4268

42.6012, 0.2937,
0.3823

38.2965, 0.2804,
0.4507

44.6291, 0.2998,
0.3627

37.3974, 0.2787,
0.4750


46.9786, 0.3062,
0.3450

36.7324, 0.2786,
0.4987

49.6633, 0.3126,
0.3292

36.2766, 0.2804,
0.5208


52.6959, 0.3191,
0.3152

 35.9829, 0.2835,
0.5404

 56.0884, 0.3254,
0.3029

 59.8525, 0.3314,
0.2922

 62.7269, 0.3319,
0.2820

 63.4215, 0.3229,
0.2711

Harmonies

Analogous

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



40.8788, 0.3421, 0.4284



40.8788, 0.2883, 0.4038



40.8788, 0.2435, 0.3528

Triad

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



40.8788, 0.2883, 0.4038



40.8788, 0.2359, 0.2432



40.8788, 0.4175, 0.3446

Complementary

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



40.8788, 0.2883, 0.4038



24.6539, 0.3498, 0.2650

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.



40.8788, 0.3841, 0.3026



40.8788, 0.2883, 0.4038



40.8788, 0.2765, 0.2468

Square

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



40.8788, 0.2883, 0.4038



40.8788, 0.2156, 0.2603



40.8788, 0.3308, 0.2680



40.8788, 0.4192, 0.3867

Rectangle

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



40.8788, 0.2883, 0.4038



40.8788, 0.2240, 0.3157



40.8788, 0.3308, 0.2680



40.8788, 0.4096, 0.3302

Sweetspot

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



40.8805, 0.2883, 0.4038



83.2104, 0.3048, 0.3485



44.1340, 0.3467, 0.4360



18.1992, 0.3040, 0.3508



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.



40.8805, 0.2883, 0.4038



70.9669, 0.2843, 0.4236



42.1608, 0.2642, 0.3440



10.7070, 0.3066, 0.3437



24.8044, 0.2828, 0.5382



0.9844, 0.2688, 0.4877

Inverse Universe

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



24.6539, 0.3498, 0.2650



37.9498, 0.3611, 0.2517



23.5566, 0.3987, 0.3152



9.6342, 0.3193, 0.3147



8.1806, 0.4416, 0.2206



0.3327, 0.4056, 0.2008

Previews

White Background



This preview shows how the Yxy color 40.8788, 0.2883, 0.4038 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 40.8788, 0.2883, 0.4038 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 40.8788, 0.2883, 0.4038

Background



This preview shows how black text looks on a background with the Yxy color 40.8788, 0.2883, 0.4038.



This preview shows how white text looks on a background with the Yxy color 40.8788, 0.2883, 0.4038.

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

40.8788, 0.2883, 0.4038

Protanopia

40.3605, 0.3575, 0.3814

Deuteranopia

40.3310, 0.3613, 0.3541



Tritanopia

40.8226, 0.2598, 0.3086

Trichromacy



Original Color

40.8788, 0.2883, 0.4038

Protanomaly

39.9680, 0.3294, 0.3895

Deuteranomaly

39.4876, 0.3309, 0.3709

Tritanomaly

40.9160, 0.2705, 0.3425

Monochromacy



Original Color

40.8788, 0.2883, 0.4038

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.3937, 0.3025, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8788, 0.2883, 0.4038 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(112, 187, 140)` looks like.

```
.text, #text, p{  
    color:rgb(112, 187, 140)  
}
```

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(112, 187, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 187, 140) }
```

Border

The CSS property to change the border of an element to Yxy 40.8788, 0.2883, 0.4038 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(112, 187, 140) }
```

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

```
.border{ border-color:rgb(112, 187, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 187, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 187, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 187, 140);  
box-shadow:4px 4px 4px 4px rgb(112, 187,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8788, 0.2883, 0.4038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 187, 140) }
```

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

```
.background{ background-color: rgb(112,  
187, 140) }
```

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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