

Converting Colors

$Yxy(40.5132, 0.2763, 0.3830)$

Have a look what the booklet for
Yxy(40.5132, 0.2763, 0.3830)
contains.

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Color

Yxy(40.4490, 0.2762, 0.3831)

Conversions

Conversions Part 1

Format	Color
Hex	6ABA98
RGB	106, 186, 152
RGB Percent	42%, 73%, 60%
CMY	0.5846, 0.2705, 0.4040
CMYK	0.43, 0.00, 0.18, 0.27
HSL	155°, 37%, 57%
HSV	155°, 43%, 73%
XYZ	29.1621, 40.4490, 35.9723
YIQ	158.2040, -36.7660, -27.5340

Conversions

Conversions Part 2

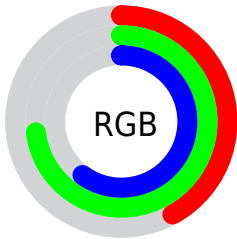
Format	Color
R _Y B	106, 157, 186
Decimal	6994584
CIE Lab	69.79, -32.54, 9.65
CIE LCh	70, 33.944, 163.484
Yxy	40.4490, 0.2762, 0.3831
Android (android.graphics.Color)	4285184664 (0xFF6ABA98)
YUV	158.2040, -3.0586, -45.7829
Hunter-Lab	63.5995, -29.4520, 10.9849

Details

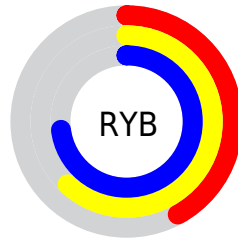
The Yxy color **40.4490, 0.2762, 0.3831** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **22.6238, 0.3751, 0.2817**, and the grayscale version is **34.3079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1345, 0.2837, 0.3731**, and **18.1459, 0.2642, 0.4006** is the 20% darker color. If you saturate the color by 10%, you get **39.1827, 0.2701, 0.3985**, and if you desaturate by 10%, it is **41.9830, 0.2835, 0.3687**.

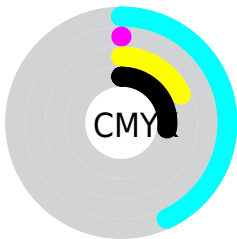
Distribution



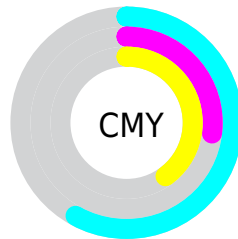
- Red (42%)
- Green (73%)
- Blue (60%)



- Red (42%)
- Yellow (62%)
- Blue (73%)



- Cyan (43%)
- Magenta (0%)
- Yellow (18%)
- Black (27%)




- Cyan (58%)
- Magenta (27%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4490, 0.2762, 0.3831 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 40.4490, 0.2762, 0.3831 by changing the saturation by 10% instead.

 40.4490, 0.2762,
0.3831


 40.4490, 0.2762,
0.3831


348.0124, 0.2953,
0.3544


 27.8888, 0.2711,
0.3908


 75.8468, 0.2834,
0.3723


 18.2418, 0.2645,
0.4011


 99.4531, 0.2860,
0.3683

 11.1238, 0.2552,
0.4154


 127.5103, 0.2882,
0.3651

 6.1501, 0.2417,
0.4367

 160.4027, 0.2900,
0.3623

 2.9366, 0.2202,
0.4716

198.5147, 0.2916,
0.3599

 1.0987, 0.1280,
0.5973

242.2307, 0.2930,

 0.0000, 0.0000,

0.3578

0.0000

291.9352, 0.2942,
0.3560

■ 40.4490, 0.2762,
0.3831

■ 40.4490, 0.2762,
0.3831

■ 39.1827, 0.2701,
0.3985

■ 41.9830, 0.2835,
0.3687

■ 38.1625, 0.2656,
0.4146

■ 43.7947, 0.2917,
0.3553

■ 37.3719, 0.2629,
0.4310

■ 45.8997, 0.3006,
0.3431

■ 36.7896, 0.2622,
0.4475

■ 48.3108, 0.3098,
0.3321

■ 36.3904, 0.2635,
0.4637

■ 51.0403, 0.3192,
0.3223

 36.1864, 0.2652,
0.4747

 54.0996, 0.3286,
0.3136

 57.4995, 0.3378,
0.3059

 61.2504, 0.3467,
0.2991

 61.7182, 0.3405,
0.2913

Harmonies

Analogous

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



40.4490, 0.3240, 0.4146



40.4490, 0.2762, 0.3831



40.4490, 0.2400, 0.3343

Triad

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



40.4490, 0.2762, 0.3831



40.4490, 0.2529, 0.2497



40.4490, 0.4114, 0.3567

Complementary

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



40.4490, 0.2762, 0.3831



22.6238, 0.3751, 0.2817

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.



40.4490, 0.3898, 0.3173



40.4490, 0.2762, 0.3831



40.4490, 0.2951, 0.2584

Square

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



40.4490, 0.2762, 0.3831



40.4490, 0.2277, 0.2594



40.4490, 0.3458, 0.2825



40.4490, 0.4037, 0.3932

Rectangle

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



40.4490, 0.2762, 0.3831



40.4490, 0.2264, 0.3025



40.4490, 0.3458, 0.2825



40.4490, 0.4073, 0.3435

Sweetspot

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



40.4506, 0.2762, 0.3831



83.1163, 0.3005, 0.3433



41.7937, 0.3345, 0.4498



18.1070, 0.2985, 0.3459



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.



40.4506, 0.2762, 0.3831



71.0483, 0.2702, 0.3982



39.5213, 0.2537, 0.3207



10.1444, 0.3040, 0.3389



24.3555, 0.2646, 0.4726



0.8707, 0.2532, 0.4314

Inverse Universe

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



22.6238, 0.3751, 0.2817



34.3712, 0.3970, 0.2717



22.9050, 0.4201, 0.3369



9.0738, 0.3223, 0.3193



7.4173, 0.5245, 0.2663



0.2739, 0.4592, 0.2303

Previews

White Background



This preview shows how the Yxy color 40.4490, 0.2762, 0.3831 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 40.4490, 0.2762, 0.3831 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 40.4490, 0.2762, 0.3831

Background



This preview shows how black text looks on a background with the Yxy color 40.4490, 0.2762, 0.3831.



This preview shows how white text looks on a background with the Yxy color 40.4490, 0.2762, 0.3831.

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

40.4490, 0.2762, 0.3831

Protanopia

39.9428, 0.3450, 0.3652

Deuteranopia

40.0616, 0.3450, 0.3384



Tritanopia

40.3646, 0.2548, 0.3069

Trichromacy



Original Color

40.4490, 0.2762, 0.3831



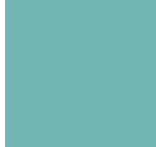
Protanomaly

39.4107, 0.3160, 0.3721



Deuteranomaly

39.3452, 0.3161, 0.3536



Tritanomaly

40.2213, 0.2626, 0.3334

Monochromacy



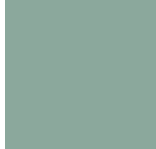
Original Color

40.4490, 0.2762, 0.3831



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

35.8945, 0.2967, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4490, 0.2762, 0.3831 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(106, 186, 152)` looks like.

```
.text, #text, p{  
    color:rgb(106, 186, 152)  
}
```

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(106, 186, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 186, 152) }
```

Border

The CSS property to change the border of an element to Yxy 40.4490, 0.2762, 0.3831 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(106, 186, 152) }
```

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

```
.border{ border-color:rgb(106, 186, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 186, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 186, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 186, 152);  
box-shadow:4px 4px 4px 4px rgb(106, 186,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4490, 0.2762, 0.3831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 186, 152) }
```

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

```
.background{ background-color: rgb(106,  
186, 152) }
```

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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