

Converting Colors

$Yxy(40.4691, 0.2676, 0.4186)$

Have a look what the booklet for
Yxy(40.4691, 0.2676, 0.4186)
contains.

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Color

Yxy(40.4743, 0.2673, 0.4179)

Conversions

Conversions Part 1

Format	Color
Hex	48BF8A
RGB	72, 191, 138
RGB Percent	28%, 75%, 54%
CMY	0.7178, 0.2510, 0.4589
CMYK	0.62, 0.00, 0.28, 0.25
HSL	153°, 48%, 52%
HSV	153°, 62%, 75%
XYZ	25.8884, 40.4743, 30.4889
YIQ	149.3770, -53.9110, -41.7110

Conversions

Conversions Part 2

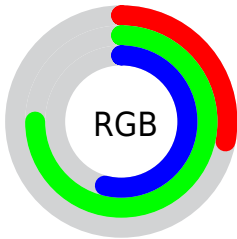
Format	Color
RYB	72, 149, 191
Decimal	4767626
CIELab	69.81, -45.74, 17.10
CIELCh	70, 48.834, 159.507
Yxy	40.4743, 0.2673, 0.4179
Android (android.graphics.Color)	4282957706 (0xFF48BF8A)
YUV	149.3770, -5.6089, -67.8596
Hunter-Lab	63.6194, -38.6975, 16.1195

Details

The Yxy color **40.4743, 0.2673, 0.4179** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **17.1887, 0.4170, 0.2606**, and the grayscale version is **30.2604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8461, 0.2766, 0.3988**, and **18.5959, 0.2576, 0.4474** is the 20% darker color. If you saturate the color by 10%, you get **39.6159, 0.2647, 0.4352**, and if you desaturate by 10%, it is **41.5833, 0.2717, 0.4010**.

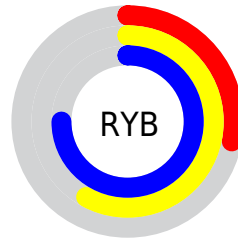
Distribution



Red (28%)

Green (75%)

Blue (54%)



Red (28%)

Yellow (58%)

Blue (75%)

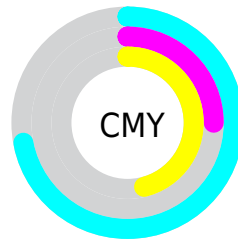


Cyan (62%)

Magenta (0%)

Yellow (28%)

Black (25%)



Cyan (72%)


Magenta (25%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4743, 0.2673, 0.4179 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 40.4743, 0.2673, 0.4179 by changing the saturation by 10% instead.

 40.4743, 0.2673,
0.4179


 40.4743, 0.2673,
0.4179


348.1186, 0.2917,
0.3699

 27.9085, 0.2606,
0.4311


 75.8852, 0.2766,
0.3996

 18.2567, 0.2517,
0.4489


 99.4992, 0.2799,
0.3930

 11.1345, 0.2392,
0.4739


 127.5646, 0.2827,
0.3875

 6.1573, 0.2205,
0.5116

 160.4660, 0.2851,
0.3829

 2.9410, 0.1900,
0.5738

 198.5877, 0.2871,
0.3789

 1.1010, 0.0000,
1.0000

242.3141, 0.2888,

 0.0000, 0.0000,

0.3755

0.0000

292.0296, 0.2904,
0.3725

■ 40.4743, 0.2673,
0.4179

■ 40.4743, 0.2673,
0.4179

■ 39.6159, 0.2647,
0.4352

■ 41.5833, 0.2717,
0.4010

■ 38.9807, 0.2640,
0.4526

■ 42.9574, 0.2777,
0.3848

■ 38.5437, 0.2653,
0.4696

■ 44.6159, 0.2849,
0.3697

■ 38.3039, 0.2673,
0.4822

■ 46.5747, 0.2930,
0.3557

■ 48.8487, 0.3016,
0.3430

■ 51.4515, 0.3106,
0.3315

■ 54.3961, 0.3197,
0.3212

■ 57.6948, 0.3288,
0.3122

■ 61.3592, 0.3376,
0.3042

Harmonies

Analogous

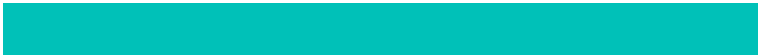
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.4743, 0.3349, 0.4584



40.4743, 0.2673, 0.4179



40.4743, 0.2155, 0.3446

Triad

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



40.4743, 0.2673, 0.4179



40.4743, 0.2229, 0.2198



40.4743, 0.4528, 0.3561

Complementary

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



40.4743, 0.2673, 0.4179



17.1887, 0.4170, 0.2606

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.



40.4743, 0.4168, 0.3037



40.4743, 0.2673, 0.4179



40.4743, 0.2776, 0.2293

Square

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



40.4743, 0.2673, 0.4179



40.4743, 0.1932, 0.2343



40.4743, 0.3494, 0.2591



40.4743, 0.4447, 0.4086

Rectangle

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



40.4743, 0.2673, 0.4179



40.4743, 0.1956, 0.2967



40.4743, 0.3494, 0.2591



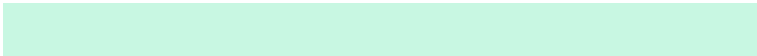
40.4743, 0.4455, 0.3382

Sweetspot

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



40.4759, 0.2673, 0.4179



84.5779, 0.2955, 0.3517



42.1326, 0.3404, 0.5062



18.3261, 0.2931, 0.3555



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.4759, 0.2673, 0.4179



70.4614, 0.2642, 0.4420



39.8595, 0.2360, 0.3196



10.7358, 0.3043, 0.3394



25.1873, 0.2667, 0.4800



0.9996, 0.2556, 0.4400

Inverse Universe

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



17.1887, 0.4170, 0.2606



25.2931, 0.4544, 0.2539



16.9827, 0.5032, 0.3368



9.6051, 0.3220, 0.3188



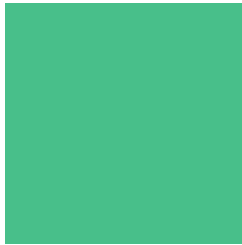
7.7267, 0.5163, 0.2618



0.3158, 0.4578, 0.2296

Previews

White Background



This preview shows how the Yxy color 40.4743, 0.2673, 0.4179 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 40.4743, 0.2673, 0.4179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

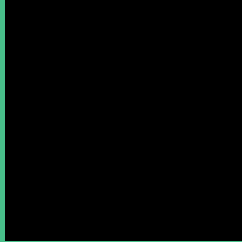
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4743, 0.2673, 0.4179

Background



This preview shows how black text looks on a background with the Yxy color 40.4743, 0.2673, 0.4179.

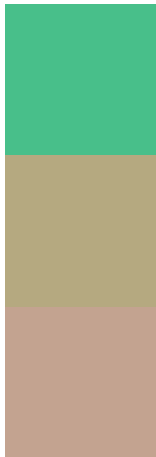


This preview shows how white text looks on a background with the Yxy color 40.4743, 0.2673, 0.4179.

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

40.4743, 0.2673, 0.4179

Protanopia

39.7582, 0.3605, 0.3859

Deuteranopia

39.8101, 0.3616, 0.3543



Tritanopia

40.2713, 0.2407, 0.3064

Trichromacy



Original Color

40.4743, 0.2673, 0.4179



Protanomaly

38.7729, 0.3172, 0.3984



Deuteranomaly

38.3242, 0.3177, 0.3757



Tritanomaly

40.1837, 0.2499, 0.3446

Monochromacy



Original Color

40.4743, 0.2673, 0.4179



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

32.6602, 0.2898, 0.3603

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4743, 0.2673, 0.4179 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(72, 191, 138)` looks like.

```
.text, #text, p{  
    color:rgb(72, 191, 138)  
}
```

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(72, 191, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 191, 138) }
```

Border

The CSS property to change the border of an element to Yxy 40.4743, 0.2673, 0.4179 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(72, 191, 138) }
```

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

```
.border{ border-color:rgb(72, 191, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 191, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 191, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 191, 138);  
box-shadow:4px 4px 4px 4px rgb(72, 191,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4743, 0.2673, 0.4179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 191, 138) }
```

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

```
.background{ background-color: rgb(72, 191,  
138) }
```

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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