

Converting Colors

$Yxy(40.5866, 0.2719, 0.4356)$

Have a look what the booklet for
Yxy(40.5866, 0.2719, 0.4356)
contains.

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Color

Yxy(40.5863, 0.2719, 0.4355)

Conversions

Conversions Part 1

Format	Color
Hex	46C081
RGB	70, 192, 129
RGB Percent	27%, 75%, 51%
CMY	0.7254, 0.2471, 0.4941
CMYK	0.64, 0.00, 0.33, 0.25
HSL	149°, 49%, 51%
HSV	149°, 64%, 75%
XYZ	25.3396, 40.5863, 27.2688
YIQ	148.3400, -52.4890, -45.4570

Conversions

Conversions Part 2

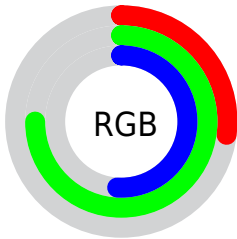
Format	Color
RYB	70, 152, 192
Decimal	4636801
CIELab	69.89, -48.39, 22.01
CIELCh	70, 53.162, 155.541
Yxy	40.5863, 0.2719, 0.4355
Android (android.graphics.Color)	4282826881 (0xFF46C081)
YUV	148.3400, -9.5346, -68.7042
Hunter-Lab	63.7074, -40.4894, 19.2172

Details

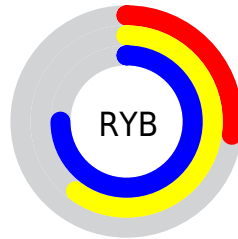
The Yxy color **40.5863, 0.2719, 0.4355** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **17.2850, 0.4053, 0.2487**, and the grayscale version is **29.8251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8746, 0.2807, 0.4133**, and **18.4558, 0.2640, 0.4705** is the 20% darker color. If you saturate the color by 10%, you get **39.7330, 0.2700, 0.4557**, and if you desaturate by 10%, it is **41.6967, 0.2756, 0.4156**.

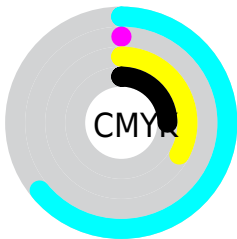
Distribution



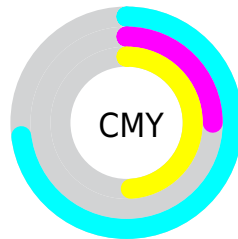
- Red (27%)
- Green (75%)
- Blue (51%)



- Red (27%)
- Yellow (60%)
- Blue (75%)



- Cyan (64%)
- Magenta (0%)
- Yellow (33%)
- Black (25%)




- Cyan (73%)
- Magenta (25%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5863, 0.2719, 0.4355 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 40.5863, 0.2719, 0.4355 by changing the saturation by 10% instead.

 40.5863, 0.2719,
0.4355


 40.5863, 0.2719,
0.4355


348.5886, 0.2945,
0.3776


 27.9960, 0.2655,
0.4516


 76.0555, 0.2806,
0.4133


 18.3226, 0.2568,
0.4732


 99.7031, 0.2838,
0.4053


 11.1819, 0.2443,
0.5037


 127.8053, 0.2863,
0.3987

 6.1893, 0.2252,
0.5498

 160.7465, 0.2885,
0.3931

 2.9605, 0.1930,
0.6257

 198.9110, 0.2903,
0.3884

 1.1112, 0.0000,
1.0000

242.6833, 0.2919,

 0.0000, 0.0000,

0.3843

0.0000

292.4477, 0.2933,
0.3807

■ 40.5863, 0.2719,
0.4355

■ 40.5863, 0.2719,
0.4355

■ 39.7330, 0.2700,
0.4557

■ 41.6967, 0.2756,
0.4156

■ 39.1086, 0.2701,
0.4757

■ 43.0796, 0.2807,
0.3965

■ 38.6866, 0.2721,
0.4949

■ 44.7550, 0.2870,
0.3785

■ 38.4869, 0.2741,
0.5067

■ 46.7393, 0.2942,
0.3620

■ 49.0480, 0.3019,
0.3469

■ 51.6954, 0.3099,
0.3334

■ 54.6947, 0.3179,
0.3214

■ 58.0588, 0.3259,
0.3107

■ 61.7997, 0.3338,
0.3014

Harmonies

Analogous

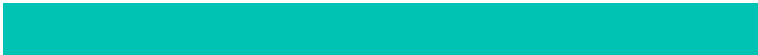
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.5863, 0.3455, 0.4722



40.5863, 0.2719, 0.4355



40.5863, 0.2134, 0.3566

Triad

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



40.5863, 0.2719, 0.4355



40.5863, 0.2102, 0.2122



40.5863, 0.4624, 0.3492

Complementary

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



40.5863, 0.2719, 0.4355



17.2850, 0.4053, 0.2487

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.



40.5863, 0.4176, 0.2942



40.5863, 0.2719, 0.4355



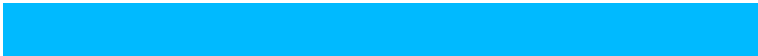
40.5863, 0.2652, 0.2194

Square

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



40.5863, 0.2719, 0.4355



40.5863, 0.1825, 0.2307



40.5863, 0.3414, 0.2485



40.5863, 0.4590, 0.4061

Rectangle

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



40.5863, 0.2719, 0.4355



40.5863, 0.1897, 0.3027



40.5863, 0.3414, 0.2485



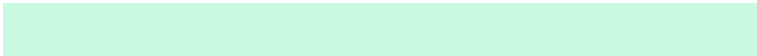
40.5863, 0.4525, 0.3303

Sweetspot

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



40.5879, 0.2719, 0.4355



86.3810, 0.2974, 0.3555



43.1327, 0.3473, 0.5055



18.2810, 0.2952, 0.3599



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.



40.5879, 0.2719, 0.4355



71.5297, 0.2698, 0.4632



42.7191, 0.2383, 0.3319



11.3382, 0.3052, 0.3411



25.9130, 0.2735, 0.5044



1.1336, 0.2618, 0.4624

Inverse Universe

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



17.2850, 0.4053, 0.2487



26.0057, 0.4365, 0.2406



16.0596, 0.5115, 0.3272



10.1628, 0.3210, 0.3172



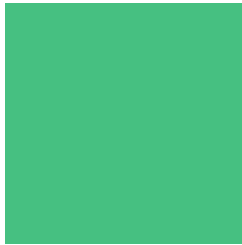
8.1649, 0.4868, 0.2455



0.3667, 0.4401, 0.2198

Previews

White Background



This preview shows how the Yxy color 40.5863, 0.2719, 0.4355 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 40.5863, 0.2719, 0.4355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

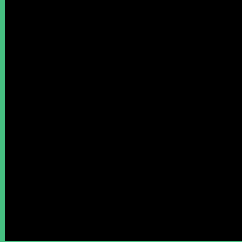
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5863, 0.2719, 0.4355

Background



This preview shows how black text looks on a background with the Yxy color 40.5863, 0.2719, 0.4355.

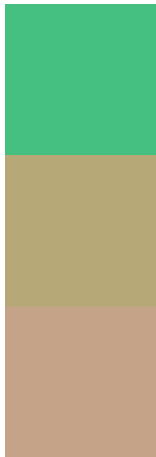


This preview shows how white text looks on a background with the Yxy color 40.5863, 0.2719, 0.4355.

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

40.5863, 0.2719, 0.4355

Protanopia

39.7751, 0.3705, 0.3978

Deuteranopia

39.8423, 0.3713, 0.3647



Tritanopia

40.2713, 0.2407, 0.3064

Trichromacy



Original Color

40.5863, 0.2719, 0.4355



Protanomaly

38.6251, 0.3251, 0.4124



Deuteranomaly

38.5449, 0.3258, 0.3909



Tritanomaly

40.0662, 0.2516, 0.3494

Monochromacy



Original Color

40.5863, 0.2719, 0.4355



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

32.4671, 0.2922, 0.3673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5863, 0.2719, 0.4355 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(70, 192, 129)` looks like.

```
.text, #text, p{  
    color:rgb(70, 192, 129)  
}
```

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(70, 192, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 192, 129) }
```

Border

The CSS property to change the border of an element to Yxy 40.5863, 0.2719, 0.4355 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(70, 192, 129) }
```

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

```
.border{ border-color:rgb(70, 192, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 192, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 192, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 192, 129);  
box-shadow:4px 4px 4px 4px rgb(70, 192,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5863, 0.2719, 0.4355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 192, 129) }
```

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

```
.background{ background-color: rgb(70, 192,  
129) }
```

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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