

Converting Colors

$Yxy(40.3323, 0.2770, 0.4420)$

Have a look what the booklet for
Yxy(40.3323, 0.2770, 0.4420)
contains.

Yxy(40.2127, 0.2769, 0.4424)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.2127, 0.2769, 0.4424)

Conversions

Conversions Part 1

Format	Color
Hex	4BBF7C
RGB	75, 191, 124
RGB Percent	29%, 75%, 49%
CMY	0.7061, 0.2510, 0.5136
CMYK	0.61, 0.00, 0.35, 0.25
HSL	145°, 48%, 52%
HSV	145°, 61%, 75%
XYZ	25.1693, 40.2127, 25.5147
YIQ	148.6780, -47.6290, -45.4290

Conversions

Conversions Part 2

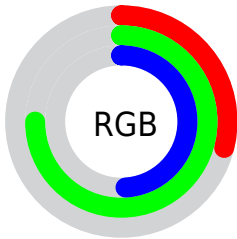
Format	Color
RYB	75, 157, 191
Decimal	4964220
CIELab	69.62, -47.97, 24.32
CIELCh	70, 53.786, 153.119
Yxy	40.2127, 0.2769, 0.4424
Android (android.graphics.Color)	4283154300 (0xFF4BBF7C)
YUV	148.6780, -12.1663, -64.6156
Hunter-Lab	63.4135, -40.1256, 20.5338

Details

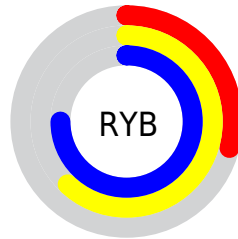
The Yxy color **40.2127, 0.2769, 0.4424** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **18.0536, 0.3878, 0.2425**, and the grayscale version is **29.9762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3775, 0.2850, 0.4184**, and **18.1027, 0.2671, 0.4816** is the 20% darker color. If you saturate the color by 10%, you get **39.2933, 0.2749, 0.4649**, and if you desaturate by 10%, it is **41.3977, 0.2805, 0.4203**.

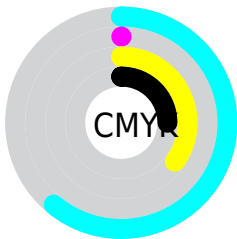
Distribution



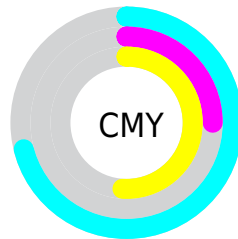
- Red (29%)
- Green (75%)
- Blue (49%)



- Red (29%)
- Yellow (62%)
- Blue (75%)



- Cyan (61%)
- Magenta (0%)
- Yellow (35%)
- Black (25%)





- Cyan (71%)
- Magenta (25%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2127, 0.2769, 0.4424 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 40.2127, 0.2769, 0.4424 by changing the saturation by 10% instead.


 40.2127, 0.2769,
0.4424


 40.2127, 0.2769,
0.4424


347.0193, 0.2972,
0.3805


 27.7044, 0.2710,
0.4596


 75.4873, 0.2849,
0.4186


 18.1030, 0.2628,
0.4828


 99.0224, 0.2877,
0.4101


 11.0239, 0.2508,
0.5157


 127.0019, 0.2900,
0.4030

 6.0829, 0.2321,
0.5651

 159.8102, 0.2919,
0.3971

 2.8956, 0.2008,
0.6500

 197.8317, 0.2935,
0.3920

 1.0775, 0.0000,
1.0000

241.4508, 0.2949,

 0.0000, 0.0000,

0.3877

0.0000

291.0518, 0.2961,
0.3839

■ 40.2127, 0.2769,
0.4424

■ 40.2127, 0.2769,
0.4424

■ 39.2933, 0.2749,
0.4649

■ 41.3977, 0.2805,
0.4203

■ 38.6121, 0.2748,
0.4871

■ 42.8630, 0.2854,
0.3991

■ 38.1443, 0.2766,
0.5082

■ 44.6282, 0.2914,
0.3793

■ 37.8551, 0.2795,
0.5261

■ 46.7094, 0.2980,
0.3611

■ 49.1218, 0.3050,
0.3447

■ 51.8795, 0.3122,
0.3300

■ 54.9957, 0.3193,
0.3170

■ 58.4829, 0.3264,
0.3056

■ 62.3532, 0.3332,
0.2956

Harmonies

Analogous

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



40.2127, 0.3518, 0.4748



40.2127, 0.2769, 0.4424



40.2127, 0.2158, 0.3639

Triad

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



40.2127, 0.2769, 0.4424



40.2127, 0.2055, 0.2112



40.2127, 0.4627, 0.3446

Complementary

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



40.2127, 0.2769, 0.4424



18.0536, 0.3878, 0.2425

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.



40.2127, 0.4136, 0.2895



40.2127, 0.2769, 0.4424



40.2127, 0.2591, 0.2166

Square

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



40.2127, 0.2769, 0.4424



40.2127, 0.1798, 0.2322



40.2127, 0.3352, 0.2444



40.2127, 0.4630, 0.4023

Rectangle

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



40.2127, 0.2769, 0.4424



40.2127, 0.1903, 0.3083



40.2127, 0.3352, 0.2444



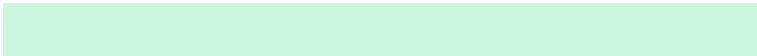
40.2127, 0.4513, 0.3256

Sweetspot

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



40.2143, 0.2769, 0.4424



84.6636, 0.2997, 0.3569



43.5801, 0.3535, 0.4943



18.3274, 0.2977, 0.3620



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.



40.2143, 0.2769, 0.4424



69.9092, 0.2747, 0.4725



42.1082, 0.2442, 0.3438



10.7148, 0.3060, 0.3425



24.8915, 0.2788, 0.5236



0.9881, 0.2653, 0.4750

Inverse Universe

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



18.0536, 0.3878, 0.2425



26.7663, 0.4131, 0.2312



16.7528, 0.4855, 0.3174



9.6262, 0.3201, 0.3158



8.0387, 0.4614, 0.2316



0.3277, 0.4192, 0.2083

Previews

White Background



This preview shows how the Yxy color 40.2127, 0.2769, 0.4424 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 40.2127, 0.2769, 0.4424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

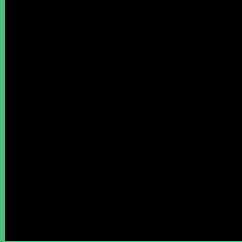
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2127, 0.2769, 0.4424

Background



This preview shows how black text looks on a background with the Yxy color 40.2127, 0.2769, 0.4424.



This preview shows how white text looks on a background with the Yxy color 40.2127, 0.2769, 0.4424.

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

40.2127, 0.2769, 0.4424

Protanopia

39.6810, 0.3740, 0.4031

Deuteranopia

39.4851, 0.3775, 0.3698



Tritanopia

40.0285, 0.2429, 0.3064

Trichromacy



Original Color

40.2127, 0.2769, 0.4424



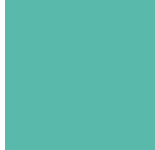
Protanomaly

38.6816, 0.3308, 0.4197



Deuteranomaly

38.2180, 0.3320, 0.3968



Tritanomaly

39.7241, 0.2550, 0.3527

Monochromacy



Original Color

40.2127, 0.2769, 0.4424



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

32.5819, 0.2947, 0.3688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2127, 0.2769, 0.4424 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(75, 191, 124)` looks like.

```
.text, #text, p{  
    color:rgb(75, 191, 124)  
}
```

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(75, 191, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 191, 124) }
```

Border

The CSS property to change the border of an element to Yxy 40.2127, 0.2769, 0.4424 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(75, 191, 124) }
```

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

```
.border{ border-color:rgb(75, 191, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 191, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 191, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 191, 124);  
box-shadow:4px 4px 4px 4px rgb(75, 191,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2127, 0.2769, 0.4424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 191, 124) }
```

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

```
.background{ background-color: rgb(75, 191,  
124) }
```

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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