

Converting Colors

$Yxy(40.8322, 0.2672, 0.4326)$

Have a look what the booklet for
Yxy(40.8322, 0.2672, 0.4326)
contains.

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Color

Yxy(40.8300, 0.2671, 0.4324)

Conversions

Conversions Part 1

Format	Color
Hex	3EC184
RGB	62, 193, 132
RGB Percent	24%, 76%, 52%
CMY	0.7568, 0.2431, 0.4824
CMYK	0.68, 0.00, 0.32, 0.24
HSL	152°, 51%, 50%
HSV	152°, 68%, 76%
XYZ	25.2213, 40.8300, 28.3752
YIQ	146.8770, -58.4950, -46.7430

Conversions

Conversions Part 2

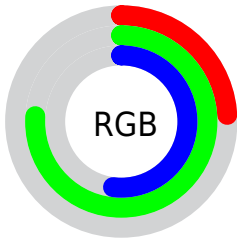
Format	Color
RYB	62, 147, 193
Decimal	4112772
CIELab	70.06, -49.63, 20.62
CIELCh	70, 53.747, 157.434
Yxy	40.8300, 0.2671, 0.4324
Android (android.graphics.Color)	4282302852 (0xFF3EC184)
YUV	146.8770, -7.3344, -74.4371
Hunter-Lab	63.8984, -41.3664, 18.4001

Details

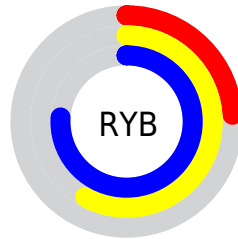
The Yxy color **40.8300, 0.2671, 0.4324** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **16.2165, 0.4268, 0.2536**, and the grayscale version is **29.1756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1591, 0.2766, 0.4110**, and **18.7862, 0.2624, 0.4645** is the 20% darker color. If you saturate the color by 10%, you get **40.0788, 0.2657, 0.4506**, and if you desaturate by 10%, it is **41.8272, 0.2704, 0.4143**.

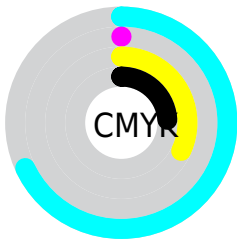
Distribution



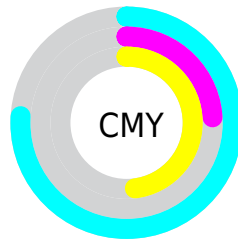
- Red (24%)
- Green (76%)
- Blue (52%)



- Red (24%)
- Yellow (58%)
- Blue (76%)



- Cyan (68%)
- Magenta (0%)
- Yellow (32%)
- Black (24%)




- Cyan (76%)
- Magenta (24%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8300, 0.2671, 0.4324 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 40.8300, 0.2671, 0.4324 by changing the saturation by 10% instead.


 40.8300, 0.2671,
0.4324


 40.8300, 0.2671,
0.4324


349.6096, 0.2920,
0.3763

 28.1863, 0.2602,
0.4479


 76.4258, 0.2767,
0.4109


 18.4661, 0.2508,
0.4688

 100.1466, 0.2801,
0.4032


 11.2852, 0.2376,
0.4983


 128.3286, 0.2829,
0.3968

 6.2590, 0.2176,
0.5427

 161.3561, 0.2853,
0.3914

 3.0032, 0.1845,
0.6155

 199.6136, 0.2873,
0.3868

 1.1334, 0.0000,
1.0000

243.4854, 0.2891,

 0.0063, 0.0000,

0.3828

1.0000

293.3559, 0.2906,
0.3793

0.0000, 0.0000,
0.0000

40.8300, 0.2671,
0.4324

40.8300, 0.2671,
0.4324

40.0788, 0.2657,
0.4506

41.8272, 0.2704,
0.4143

39.5434, 0.2663,
0.4686

43.0872, 0.2754,
0.3969

39.1880, 0.2687,
0.4859

44.6306, 0.2817,
0.3803

39.1224, 0.2693,
0.4895

46.4747, 0.2891,
0.3650

48.6355, 0.2972,
0.3509

■ 51.1276, 0.3058,
0.3381

■ 53.9649, 0.3146,
0.3267

■ 57.1604, 0.3234,
0.3165

■ 60.7263, 0.3321,
0.3076

Harmonies

Analogous

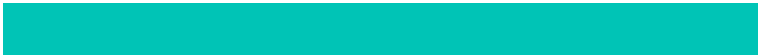
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.8300, 0.3409, 0.4729



40.8300, 0.2671, 0.4324



40.8300, 0.2097, 0.3514

Triad

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



40.8300, 0.2671, 0.4324



40.8300, 0.2121, 0.2110



40.8300, 0.4650, 0.3529

Complementary

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



40.8300, 0.2671, 0.4324



16.2165, 0.4268, 0.2536

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.



40.8300, 0.4226, 0.2972



40.8300, 0.2671, 0.4324



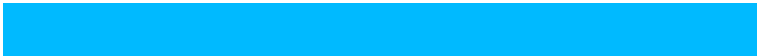
40.8300, 0.2692, 0.2198

Square

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



40.8300, 0.2671, 0.4324



40.8300, 0.1824, 0.2279



40.8300, 0.3468, 0.2504



40.8300, 0.4584, 0.4100

Rectangle

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



40.8300, 0.2671, 0.4324



40.8300, 0.1872, 0.2977



40.8300, 0.3468, 0.2504



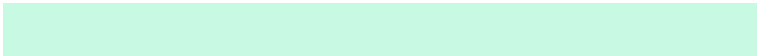
40.8300, 0.4561, 0.3338

Sweetspot

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



40.8316, 0.2671, 0.4324



86.1023, 0.2952, 0.3542



42.7111, 0.3424, 0.5198



18.2327, 0.2929, 0.3581



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.



40.8316, 0.2671, 0.4324



71.3117, 0.2657, 0.4586



41.1145, 0.2329, 0.3220



11.3468, 0.3045, 0.3399



26.0364, 0.2687, 0.4873



1.1388, 0.2579, 0.4486

Inverse Universe

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



16.2165, 0.4268, 0.2536



24.3236, 0.4649, 0.2497



15.6278, 0.5314, 0.3344



10.1542, 0.3218, 0.3183



8.0466, 0.5080, 0.2572



0.3616, 0.4556, 0.2283

Previews

White Background



This preview shows how the Yxy color 40.8300, 0.2671, 0.4324 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 40.8300, 0.2671, 0.4324 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 40.8300, 0.2671, 0.4324

Background



This preview shows how black text looks on a background with the Yxy color 40.8300, 0.2671, 0.4324.

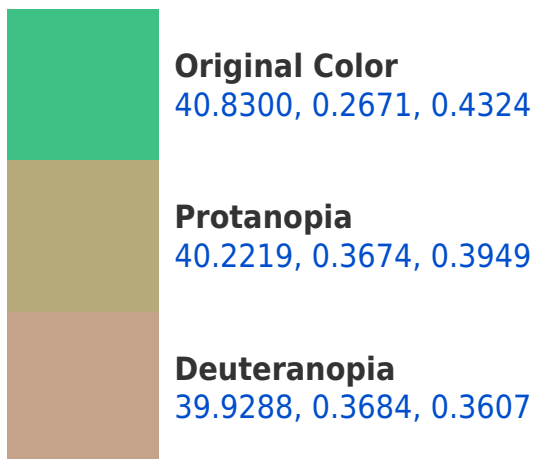


This preview shows how white text looks on a background with the Yxy color 40.8300, 0.2671, 0.4324.

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





Tritanopia

40.8962, 0.2385, 0.3079

Trichromacy



Original Color

40.8300, 0.2671, 0.4324



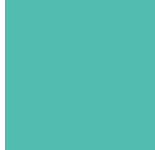
Protanomaly

38.8361, 0.3200, 0.4096



Deuteranomaly

38.3456, 0.3206, 0.3867



Tritanomaly

40.7238, 0.2483, 0.3494

Monochromacy



Original Color

40.8300, 0.2671, 0.4324



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

32.2169, 0.2880, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8300, 0.2671, 0.4324 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(62, 193, 132)` looks like.

```
.text, #text, p{  
    color:rgb(62, 193, 132)  
}
```

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(62, 193, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 193, 132) }
```

Border

The CSS property to change the border of an element to Yxy 40.8300, 0.2671, 0.4324 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(62, 193, 132) }
```

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

```
.border{ border-color:rgb(62, 193, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 193, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(62, 193, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(62, 193, 132); box-shadow:4px 4px 4px 4px rgb(62, 193, 132) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8300, 0.2671, 0.4324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 193, 132) }
```

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

```
.background{ background-color: rgb(62, 193,  
132) }
```

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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