

Converting Colors

$Yxy(46.8465, 0.2711, 0.4376)$

Have a look what the booklet for
Yxy(46.8465, 0.2711, 0.4376)
contains.

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Color

Yxy(46.8465, 0.2711, 0.4376)

Conversions

Conversions Part 1

Format	Color
Hex	48CD89
RGB	72, 205, 137
RGB Percent	28%, 80%, 54%
CMY	0.7175, 0.1961, 0.4627
CMYK	0.65, 0.00, 0.33, 0.20
HSL	149°, 57%, 54%
HSV	149°, 65%, 80%
XYZ	29.0221, 46.8465, 31.1846
YIQ	157.4810, -57.4400, -49.3440

Conversions

Conversions Part 2

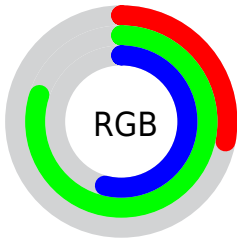
Format	Color
RYB	72, 161, 205
Decimal	4771209
CIELab	74.09, -51.63, 23.50
CIELCh	74, 56.728, 155.530
Yxy	46.8465, 0.2711, 0.4376
Android (android.graphics.Color)	4282961289 (0xFF48CD89)
YUV	157.4810, -10.0971, -74.9668
Hunter-Lab	68.4445, -44.0895, 20.8975

Details

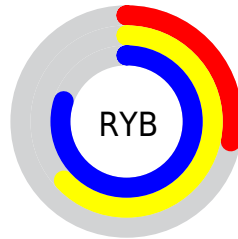
The Yxy color **46.8465, 0.2711, 0.4376** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **19.5136, 0.4099, 0.2482**, and the grayscale version is **34.0172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3499, 0.2788, 0.4074**, and **22.5008, 0.2640, 0.4705** is the 20% darker color. If you saturate the color by 10%, you get **45.9006, 0.2695, 0.4577**, and if you desaturate by 10%, it is **48.0880, 0.2745, 0.4177**.

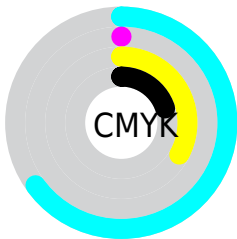
Distribution



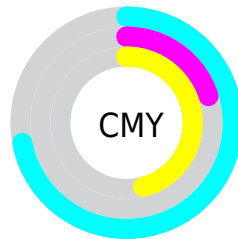
- Red (28%)
- Green (80%)
- Blue (54%)



- Red (28%)
- Yellow (63%)
- Blue (80%)



- Cyan (65%)
- Magenta (0%)
- Yellow (33%)
- Black (20%)




- Cyan (72%)
- Magenta (20%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8465, 0.2711, 0.4376 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 46.8465, 0.2711, 0.4376 by changing the saturation by 10% instead.

 46.8465, 0.2711,
0.4376


 46.8465, 0.2711,
0.4376


374.2015, 0.2936,
0.3798

 32.9143, 0.2649,
0.4531


 85.4845, 0.2797,
0.4158


 22.0608, 0.2566,
0.4737


 110.9590, 0.2828,
0.4078

 13.9016, 0.2450,
0.5022


 141.0498, 0.2854,
0.4012

 8.0523, 0.2277,
0.5439

 176.1413, 0.2876,
0.3956

 4.1284, 0.1997,
0.6094

216.6178, 0.2894,
0.3908

 1.7456, 0.1098,
0.8626

262.8637, 0.2910,

 0.4530, 0.0000,

0.3866

1.0000

315.2635, 0.2924,
0.3830

0.0000, 0.0000,
0.0000

46.8465, 0.2711,
0.4376

46.8465, 0.2711,
0.4376

45.9006, 0.2695,
0.4577

48.0880, 0.2745,
0.4177

45.2166, 0.2699,
0.4775

49.6439, 0.2795,
0.3986

44.7622, 0.2722,
0.4964

51.5377, 0.2858,
0.3806

44.5860, 0.2738,
0.5057

53.7890, 0.2929,
0.3639

56.4162, 0.3007,
0.3487

■ 59.4360, 0.3087,
0.3351

■ 62.8644, 0.3169,
0.3229

■ 66.7162, 0.3251,
0.3122

■ 70.7120, 0.3318,
0.3026

Harmonies

Analogous

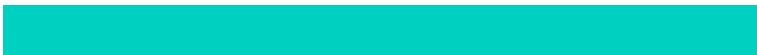
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.8465, 0.3458, 0.4748



46.8465, 0.2711, 0.4376



46.8465, 0.2118, 0.3570

Triad

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



46.8465, 0.2711, 0.4376



46.8465, 0.2086, 0.2105



46.8465, 0.4649, 0.3492

Complementary

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



46.8465, 0.2711, 0.4376



19.5136, 0.4099, 0.2482

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.



46.8465, 0.4193, 0.2936



46.8465, 0.2711, 0.4376



46.8465, 0.2644, 0.2178

Square

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



46.8465, 0.2711, 0.4376



46.8465, 0.1806, 0.2292



46.8465, 0.3418, 0.2473



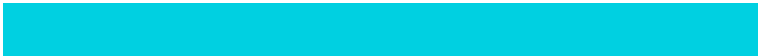
46.8465, 0.4613, 0.4069

Rectangle

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



46.8465, 0.2711, 0.4376



46.8465, 0.1879, 0.3021



46.8465, 0.3418, 0.2473



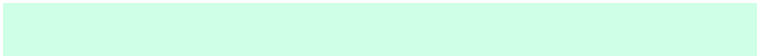
46.8465, 0.4549, 0.3301

Sweetspot

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



46.8484, 0.2711, 0.4376



90.4466, 0.2972, 0.3552



49.7706, 0.3475, 0.5096



19.0958, 0.2950, 0.3596



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



46.8484, 0.2711, 0.4376



74.6734, 0.2694, 0.4660



49.3433, 0.2372, 0.3320



12.6268, 0.3051, 0.3411



27.7757, 0.2731, 0.5032



1.4482, 0.2630, 0.4667

Inverse Universe

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



19.5136, 0.4099, 0.2482



26.5599, 0.4430, 0.2410



18.1172, 0.5191, 0.3272



11.3078, 0.3211, 0.3172



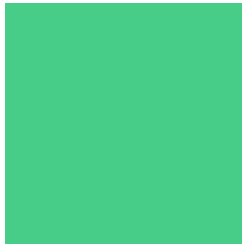
8.7319, 0.4895, 0.2470



0.4658, 0.4478, 0.2240

Previews

White Background



This preview shows how the Yxy color 46.8465, 0.2711, 0.4376 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 46.8465, 0.2711, 0.4376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

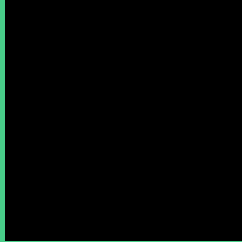
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8465, 0.2711, 0.4376

Background



This preview shows how black text looks on a background with the Yxy color 46.8465, 0.2711, 0.4376.



This preview shows how white text looks on a background with the Yxy color 46.8465, 0.2711, 0.4376.

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

46.8465, 0.2711, 0.4376

Protanopia

46.1562, 0.3710, 0.4002

Deuteranopia

46.1346, 0.3733, 0.3662



Tritanopia

46.8300, 0.2398, 0.3063

Trichromacy



Original Color

46.8465, 0.2711, 0.4376



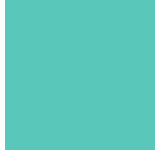
Protanomaly

44.9226, 0.3246, 0.4164



Deuteranomaly

44.0946, 0.3257, 0.3919



Tritanomaly

46.4735, 0.2506, 0.3497

Monochromacy



Original Color

46.8465, 0.2711, 0.4376



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.9097, 0.2907, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8465, 0.2711, 0.4376 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, 205, 137)` looks like.

```
.text, #text, p{  
    color:rgb(72, 205, 137)  
}
```

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, 205, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 205, 137) }
```

Border

The CSS property to change the border of an element to Yxy 46.8465, 0.2711, 0.4376 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, 205, 137) }
```

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

```
.border{ border-color:rgb(72, 205, 137) }
```

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

Here you see how a box with a 4 pixel rgb(72, 205, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 205, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 205, 137);  
box-shadow:4px 4px 4px 4px rgb(72, 205,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8465, 0.2711, 0.4376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 205, 137) }
```

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

```
.background{ background-color: rgb(72, 205,  
137) }
```

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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