

Converting Colors

$Yxy(46.8906, 0.2561, 0.3976)$

Have a look what the booklet for
Yxy(46.8906, 0.2561, 0.3976)
contains.

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Color

Yxy(46.8820, 0.2563, 0.3980)

Conversions

Conversions Part 1

Format	Color
Hex	42CCA0
RGB	66, 204, 160
RGB Percent	26%, 80%, 63%
CMY	0.7408, 0.2000, 0.3725
CMYK	0.68, 0.00, 0.22, 0.20
HSL	161°, 57%, 53%
HSV	161°, 68%, 80%
XYZ	30.1906, 46.8820, 40.7214
YIQ	157.7220, -68.1240, -42.9400

Conversions

Conversions Part 2

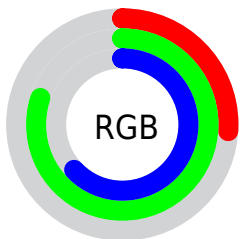
Format	Color
RYB	66, 148, 204
Decimal	4377760
CIELab	74.11, -47.27, 11.27
CIELCh	74, 48.597, 166.586
Yxy	46.8820, 0.2563, 0.3980
Android (android.graphics.Color)	4282567840 (0xFF42CCA0)
YUV	157.7220, 1.1231, -80.4402
Hunter-Lab	68.4704, -41.1174, 12.6678

Details

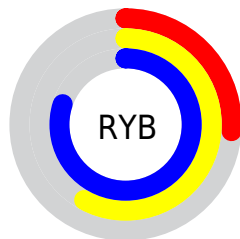
The Yxy color **46.8820, 0.2563, 0.3980** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **17.8728, 0.4621, 0.2784**, and the grayscale version is **34.0912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1721, 0.2658, 0.3769**, and **22.5776, 0.2498, 0.4191** is the 20% darker color. If you saturate the color by 10%, you get **46.0742, 0.2537, 0.4102**, and if you desaturate by 10%, it is **47.9582, 0.2608, 0.3860**.

Distribution



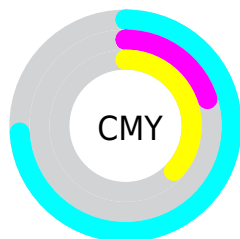
- Red (26%)
- Green (80%)
- Blue (63%)



- Red (26%)
- Yellow (58%)
- Blue (80%)



- Cyan (68%)
- Magenta (0%)
- Yellow (22%)
- Black (20%)





- Cyan (74%)
- Magenta (20%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.8820, 0.2563, 0.3980 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 46.8820, 0.2563, 0.3980 by changing the saturation by 10% instead.

 46.8820, 0.2563,
0.3980


 46.8820, 0.2563,
0.3980


374.3433, 0.2850,
0.3621

 32.9424, 0.2490,
0.4074


 85.5375, 0.2669,
0.3846

 22.0823, 0.2395,
0.4198


 111.0221, 0.2708,
0.3797


 13.9174, 0.2268,
0.4366


 141.1238, 0.2741,
0.3756

 8.0632, 0.2089,
0.4611

 176.2271, 0.2769,
0.3721

 4.1354, 0.1820,
0.4992

 216.7163, 0.2794,
0.3691

 1.7496, 0.1106,
0.5844

262.9758, 0.2815,

 0.4555, 0.0000,

0.3664

1.0000

315.3900, 0.2834,
0.3641

0.0000, 0.0000,
0.0000

46.8820, 0.2563,
0.3980

46.8820, 0.2563,
0.3980

46.0742, 0.2537,
0.4102

47.9582, 0.2608,
0.3860

45.5006, 0.2531,
0.4224

49.3214, 0.2671,
0.3744

45.1232, 0.2544,
0.4344

50.9950, 0.2750,
0.3634

45.0455, 0.2548,
0.4373

52.9984, 0.2840,
0.3531

55.3494, 0.2939,
0.3437

■ 58.0645, 0.3045,
0.3350

■ 61.1590, 0.3154,
0.3272

■ 64.6476, 0.3264,
0.3202

■ 68.5439, 0.3374,
0.3141

Harmonies

Analogous

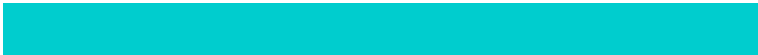
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.8820, 0.3187, 0.4462



46.8820, 0.2563, 0.3980



46.8820, 0.2121, 0.3273

Triad

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



46.8820, 0.2563, 0.3980



46.8820, 0.2375, 0.2249



46.8820, 0.4476, 0.3677

Complementary

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



46.8820, 0.2563, 0.3980



17.8728, 0.4621, 0.2784

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.



46.8820, 0.4228, 0.3167



46.8820, 0.2563, 0.3980



46.8820, 0.2947, 0.2389

Square

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



46.8820, 0.2563, 0.3980



46.8820, 0.2030, 0.2333



46.8820, 0.3640, 0.2714



46.8820, 0.4311, 0.4163

Rectangle

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



46.8820, 0.2563, 0.3980



46.8820, 0.1971, 0.2849



46.8820, 0.3640, 0.2714



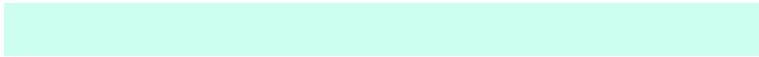
46.8820, 0.4440, 0.3505

Sweetspot

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



46.8839, 0.2563, 0.3980



90.5736, 0.2912, 0.3461



47.0272, 0.3289, 0.5284



19.1460, 0.2883, 0.3488



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.



46.8839, 0.2563, 0.3980



75.8387, 0.2532, 0.4157



38.5744, 0.2261, 0.2939



12.6638, 0.3025, 0.3365



28.3713, 0.2543, 0.4356



1.4771, 0.2478, 0.4122

Inverse Universe

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



17.8728, 0.4621, 0.2784



24.6333, 0.5133, 0.2787



20.3902, 0.5133, 0.3552



11.2717, 0.3241, 0.3216



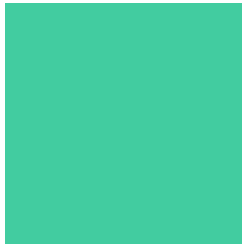
8.3358, 0.5674, 0.2899



0.4439, 0.5112, 0.2590

Previews

White Background



This preview shows how the Yxy color 46.8820, 0.2563, 0.3980 looks on a white background.

Color Contrast Check

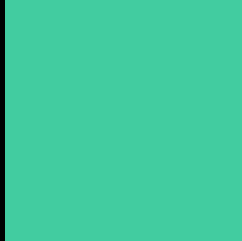
Large Text (above 18pt) WCAG AA × Fail

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 46.8820, 0.2563, 0.3980 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

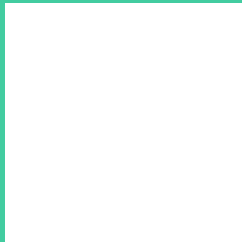
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.8820, 0.2563, 0.3980

Background



This preview shows how black text looks on a background with the Yxy color 46.8820, 0.2563, 0.3980.



This preview shows how white text looks on a background with the Yxy color 46.8820, 0.2563, 0.3980.

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

46.8820, 0.2563, 0.3980

Protanopia

45.8570, 0.3491, 0.3710

Deuteranopia

45.8626, 0.3469, 0.3391



Tritanopia

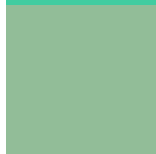
46.8113, 0.2355, 0.3062

Trichromacy



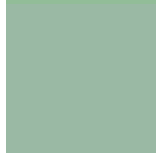
Original Color

46.8820, 0.2563, 0.3980



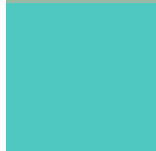
Protanomaly

44.7732, 0.3054, 0.3828



Deuteranomaly

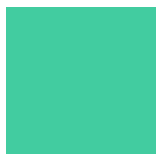
44.2483, 0.3031, 0.3588



Tritanomaly

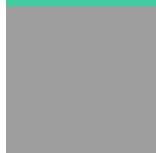
46.9091, 0.2426, 0.3377

Monochromacy



Original Color

46.8820, 0.2563, 0.3980



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

37.5231, 0.2834, 0.3539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8820, 0.2563, 0.3980 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(66, 204, 160)` looks like.

```
.text, #text, p{  
    color:rgb(66, 204, 160)  
}
```

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(66, 204, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 204, 160) }
```

Border

The CSS property to change the border of an element to Yxy 46.8820, 0.2563, 0.3980 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(66, 204, 160) }
```

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

```
.border{ border-color:rgb(66, 204, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 204, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(66, 204, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(66, 204, 160); box-shadow:4px 4px 4px 4px rgb(66, 204, 160) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8820, 0.2563, 0.3980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 204, 160) }
```

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

```
.background{ background-color: rgb(66, 204,  
160) }
```

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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