

Converting Colors

Yxy(44.6566, 0.2660, 0.4247)

Have a look what the booklet for
Yxy(44.6566, 0.2660, 0.4247)
contains.

Yxy(44.4606, 0.2662, 0.4250)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(44.4606, 0.2662, 0.4250)

Conversions

Conversions Part 1

Format	Color
Hex	44C88D
RGB	68, 200, 141
RGB Percent	27%, 78%, 55%
CMY	0.7331, 0.2157, 0.4471
CMYK	0.66, 0.00, 0.30, 0.22
HSL	153°, 55%, 53%
HSV	153°, 66%, 78%
XYZ	27.8480, 44.4606, 32.3045
YIQ	153.8060, -59.7330, -46.3330

Conversions

Conversions Part 2

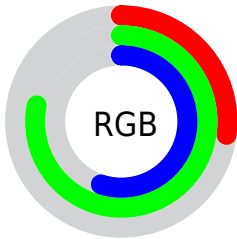
Format	Color
RYB	68, 153, 200
Decimal	4507789
CIELab	72.54, -49.53, 19.25
CIELCh	73, 53.139, 158.756
Yxy	44.4606, 0.2662, 0.4250
Android (android.graphics.Color)	4282697869 (0xFF44C88D)
YUV	153.8060, -6.3134, -75.2519
Hunter-Lab	66.6788, -42.1383, 17.9503

Details

The Yxy color **44.4606, 0.2662, 0.4250** 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 **17.9567, 0.4265, 0.2577**, and the grayscale version is **32.2814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2060, 0.2751, 0.4026**, and **21.0061, 0.2593, 0.4533** is the 20% darker color. If you saturate the color by 10%, you get **43.6053, 0.2643, 0.4425**, and if you desaturate by 10%, it is **45.5862, 0.2700, 0.4077**.

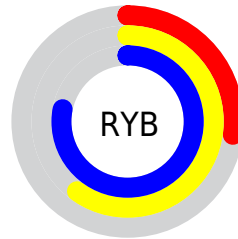
Distribution



Red (27%)

Green (78%)

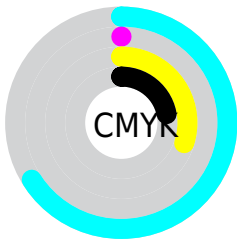
Blue (55%)



Red (27%)

Yellow (60%)

Blue (78%)

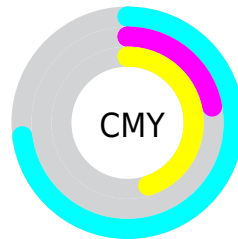


Cyan (66%)

Magenta (0%)

Yellow (30%)

Black (22%)



Cyan (73%)


Magenta (22%)


Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4606, 0.2662, 0.4250 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 44.4606, 0.2662, 0.4250 by changing the saturation by 10% instead.


 44.4606, 0.2662,
0.4250


 44.4606, 0.2662,
0.4250


364.5846, 0.2910,
0.3738

 31.0328, 0.2595,
0.4389


 81.9104, 0.2756,
0.4056


 20.6238, 0.2506,
0.4573


 106.7011, 0.2790,
0.3985


 12.8493, 0.2383,
0.4830


 136.0483, 0.2818,
0.3927

 7.3249, 0.2202,
0.5210


 170.3363, 0.2842,
0.3877

 3.6661, 0.1912,
0.5819

 209.9496, 0.2863,
0.3835

 1.4886, 0.0623,
0.8442

255.2724, 0.2880,

 0.2807, 0.0000,

0.3798

1.0000

306.6893, 0.2896,
0.3766

■ 0.0000, 0.0000,
0.0000

■ 44.4606, 0.2662,
0.4250

■ 44.4606, 0.2662,
0.4250

■ 43.6053, 0.2643,
0.4425

■ 45.5862, 0.2700,
0.4077

■ 42.9885, 0.2644,
0.4599

■ 46.9998, 0.2754,
0.3911

■ 42.5786, 0.2665,
0.4768

■ 48.7236, 0.2822,
0.3754

■ 42.4457, 0.2676,
0.4834

■ 50.7760, 0.2899,
0.3609

■ 53.1741, 0.2984,
0.3476

■ 55.9336, 0.3073,
0.3356

■ 59.0694, 0.3164,
0.3248

■ 62.5955, 0.3255,
0.3153

■ 66.5251, 0.3344,
0.3068

Harmonies

Analogous

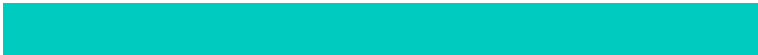
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.4606, 0.3372, 0.4664



44.4606, 0.2662, 0.4250



44.4606, 0.2116, 0.3471

Triad

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



44.4606, 0.2662, 0.4250



44.4606, 0.2174, 0.2148



44.4606, 0.4599, 0.3551

Complementary

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



44.4606, 0.2662, 0.4250



17.9567, 0.4265, 0.2577

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.



44.4606, 0.4210, 0.3008



44.4606, 0.2662, 0.4250



44.4606, 0.2739, 0.2242

Square

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



44.4606, 0.2662, 0.4250



44.4606, 0.1873, 0.2302



44.4606, 0.3492, 0.2547



44.4606, 0.4520, 0.4103

Rectangle

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



44.4606, 0.2662, 0.4250



44.4606, 0.1905, 0.2962



44.4606, 0.3492, 0.2547



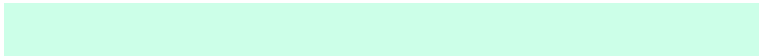
44.4606, 0.4520, 0.3366

Sweetspot

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



44.4624, 0.2662, 0.4250



90.1941, 0.2947, 0.3532



46.2724, 0.3406, 0.5165



19.0547, 0.2923, 0.3570



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.



44.4624, 0.2662, 0.4250



75.0041, 0.2641, 0.4498



43.7201, 0.2332, 0.3189



11.9843, 0.3042, 0.3395



27.0069, 0.2670, 0.4811



1.2932, 0.2573, 0.4462

Inverse Universe

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



17.9567, 0.4265, 0.2577



25.8602, 0.4655, 0.2532



17.6846, 0.5212, 0.3369



10.7145, 0.3221, 0.3187



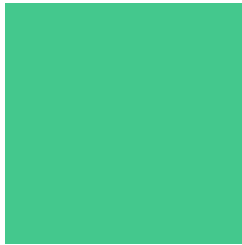
8.2888, 0.5160, 0.2616



0.4070, 0.4651, 0.2336

Previews

White Background



This preview shows how the Yxy color 44.4606, 0.2662, 0.4250 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 44.4606, 0.2662, 0.4250 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 44.4606, 0.2662, 0.4250

Background



This preview shows how black text looks on a background with the Yxy color 44.4606, 0.2662, 0.4250.



This preview shows how white text looks on a background with the Yxy color 44.4606, 0.2662, 0.4250.

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

44.4606, 0.2662, 0.4250

Protanopia

43.4812, 0.3639, 0.3903

Deuteranopia

43.7249, 0.3644, 0.3571



Tritanopia

44.5314, 0.2389, 0.3072

Trichromacy



Original Color

44.4606, 0.2662, 0.4250



Protanomaly

42.4389, 0.3182, 0.4051



Deuteranomaly

42.0606, 0.3188, 0.3814



Tritanomaly

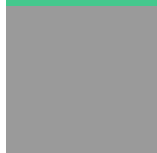
44.3339, 0.2483, 0.3471

Monochromacy



Original Color

44.4606, 0.2662, 0.4250



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

35.5067, 0.2889, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4606, 0.2662, 0.4250 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(68, 200, 141)` looks like.

```
.text, #text, p{  
    color:rgb(68, 200, 141)  
}
```

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(68, 200, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 200, 141) }
```

Border

The CSS property to change the border of an element to Yxy 44.4606, 0.2662, 0.4250 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(68, 200, 141) }
```

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

```
.border{ border-color:rgb(68, 200, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 200, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 200, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 200, 141);  
box-shadow:4px 4px 4px 4px rgb(68, 200,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4606, 0.2662, 0.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 200, 141) }
```

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

```
.background{ background-color: rgb(68, 200,  
141) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor