

Converting Colors

$Yxy(44.9720, 0.2707, 0.4582)$

Have a look what the booklet for
Yxy(44.9720, 0.2707, 0.4582)
contains.

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Color

Yxy(44.9768, 0.2706, 0.4578)

Conversions

Conversions Part 1

Format	Color
Hex	36CB7D
RGB	54, 203, 125
RGB Percent	21%, 80%, 49%
CMY	0.7876, 0.2039, 0.5098
CMYK	0.73, 0.00, 0.38, 0.20
HSL	149°, 59%, 50%
HSV	149°, 73%, 80%
XYZ	26.5852, 44.9768, 26.6835
YIQ	149.5570, -63.7660, -55.8460

Conversions

Conversions Part 2

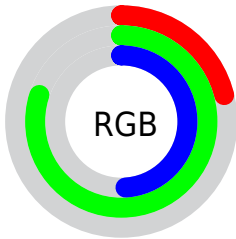
Format	Color
RYB	54, 155, 203
Decimal	3591037
CIELab	72.88, -56.10, 28.08
CIELCh	73, 62.731, 153.411
Yxy	44.9768, 0.2706, 0.4578
Android (android.graphics.Color)	4281781117 (0xFF36CB7D)
YUV	149.5570, -12.1066, -83.8035
Hunter-Lab	67.0647, -46.6038, 23.3552

Details

The Yxy color **44.9768, 0.2706, 0.4578** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **17.0186, 0.4260, 0.2406**, and the grayscale version is **30.3937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7993, 0.2792, 0.4257**, and **21.6878, 0.2710, 0.4955** is the 20% darker color. If you saturate the color by 10%, you get **44.2702, 0.2707, 0.4781**, and if you desaturate by 10%, it is **45.9506, 0.2724, 0.4372**.

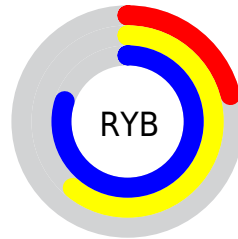
Distribution



Red (21%)

Green (80%)

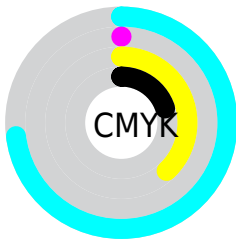
Blue (49%)



Red (21%)

Yellow (61%)

Blue (80%)

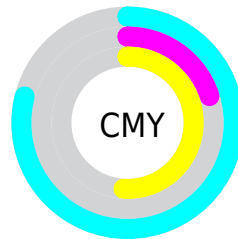


Cyan (73%)

Magenta (0%)

Yellow (38%)

Black (20%)



Cyan (79%)

Magenta (20%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9768, 0.2706, 0.4578 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 44.9768, 0.2706, 0.4578 by changing the saturation by 10% instead.


 44.9768, 0.2706,
0.4578

 44.9768, 0.2706,
0.4578


366.6796, 0.2942,
0.3883


 31.4392, 0.2638,
0.4768


 82.6856, 0.2798,
0.4313

 20.9335, 0.2546,
0.5021


 107.6255, 0.2831,
0.4217

 13.0754, 0.2413,
0.5372


 137.1350, 0.2858,
0.4138

 7.4805, 0.2211,
0.5888

 171.5985, 0.2880,
0.4071

 3.7644, 0.1877,
0.6707

 211.4002, 0.2899,
0.4014

 1.5426, 0.0000,
1.0000

256.9248, 0.2916,

 0.3185, 0.0000,

0.3964

1.0000

308.5564, 0.2930,
0.3921

■ 0.0000, 0.0000,
0.0000

■ 44.9768, 0.2706,
0.4578

■ 44.9768, 0.2706,
0.4578

■ 44.2702, 0.2707,
0.4781

■ 45.9506, 0.2724,
0.4372

■ 43.7931, 0.2728,
0.4975

■ 47.2130, 0.2760,
0.4169

■ 43.5653, 0.2750,
0.5098

■ 48.7892, 0.2811,
0.3974

■ 50.7000, 0.2874,
0.3792

■ 52.9646, 0.2945,
0.3623

■ 55.6004, 0.3021,
0.3470

■ 58.6239, 0.3101,
0.3332

■ 62.0504, 0.3181,
0.3210

■ 65.8945, 0.3260,
0.3102

Harmonies

Analogous

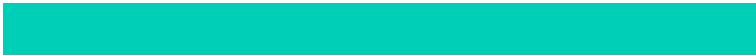
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.9768, 0.3533, 0.4935



44.9768, 0.2706, 0.4578



44.9768, 0.2041, 0.3667

Triad

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



44.9768, 0.2706, 0.4578



44.9768, 0.1948, 0.1991



44.9768, 0.4810, 0.3446

Complementary

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



44.9768, 0.2706, 0.4578



17.0186, 0.4260, 0.2406

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.



44.9768, 0.4267, 0.2851



44.9768, 0.2706, 0.4578



44.9768, 0.2533, 0.2057

Square

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



44.9768, 0.2706, 0.4578



44.9768, 0.1669, 0.2206



44.9768, 0.3381, 0.2361



44.9768, 0.4792, 0.4077

Rectangle

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



44.9768, 0.2706, 0.4578



44.9768, 0.1770, 0.3035



44.9768, 0.3381, 0.2361



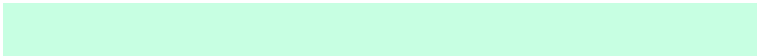
44.9768, 0.4688, 0.3241

Sweetspot

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



44.9786, 0.2706, 0.4578



89.1177, 0.2953, 0.3607



48.0074, 0.3497, 0.5282



18.8351, 0.2932, 0.3651



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.



44.9786, 0.2706, 0.4578



73.6233, 0.2717, 0.4896



47.5765, 0.2337, 0.3361



12.6244, 0.3052, 0.3414



27.7447, 0.2743, 0.5073



1.4466, 0.2640, 0.4703

Inverse Universe

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



17.0186, 0.4260, 0.2406



24.3631, 0.4627, 0.2394



15.6657, 0.5551, 0.3252



11.3102, 0.3209, 0.3169



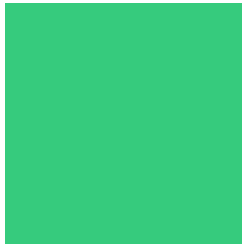
8.7657, 0.4842, 0.2441



0.4675, 0.4438, 0.2218

Previews

White Background



This preview shows how the Yxy color 44.9768, 0.2706, 0.4578 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 44.9768, 0.2706, 0.4578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

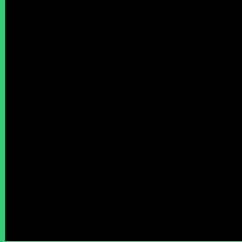
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9768, 0.2706, 0.4578

Background



This preview shows how black text looks on a background with the Yxy color 44.9768, 0.2706, 0.4578.

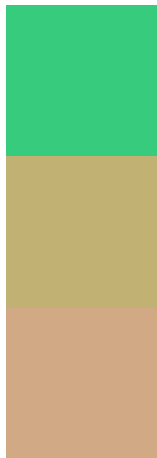


This preview shows how white text looks on a background with the Yxy color 44.9768, 0.2706, 0.4578.

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

44.9768, 0.2706, 0.4578

Protanopia

44.0195, 0.3800, 0.4099

Deuteranopia

43.9982, 0.3831, 0.3754



Tritanopia

44.8181, 0.2361, 0.3058

Trichromacy



Original Color

44.9768, 0.2706, 0.4578



Protanomaly

42.2894, 0.3273, 0.4297



Deuteranomaly

41.8399, 0.3286, 0.4057



Tritanomaly

44.6834, 0.2483, 0.3581

Monochromacy



Original Color

44.9768, 0.2706, 0.4578



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

33.9439, 0.2884, 0.3755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9768, 0.2706, 0.4578 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(54, 203, 125)` looks like.

```
.text, #text, p{  
    color:rgb(54, 203, 125)  
}
```

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(54, 203, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 203, 125) }
```

Border

The CSS property to change the border of an element to Yxy 44.9768, 0.2706, 0.4578 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(54, 203, 125) }
```

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

```
.border{ border-color:rgb(54, 203, 125) }
```

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

Here you see how a box with a 4 pixel rgb(54, 203, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 203, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 203, 125);  
box-shadow:4px 4px 4px 4px rgb(54, 203,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9768, 0.2706, 0.4578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 203, 125) }
```

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

```
.background{ background-color: rgb(54, 203,  
125) }
```

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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