

Converting Colors

$Yxy(45.0344, 0.2771, 0.4833)$

Have a look what the booklet for
Yxy(45.0344, 0.2771, 0.4833)
contains.

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Color

Yxy(45.0372, 0.2770, 0.4830)

Conversions

Conversions Part 1

Format	Color
Hex	33CC6F
RGB	51, 204, 111
RGB Percent	20%, 80%, 44%
CMY	0.8000, 0.2000, 0.5646
CMYK	0.75, 0.00, 0.46, 0.20
HSL	144°, 60%, 50%
HSV	144°, 75%, 80%
XYZ	25.8288, 45.0372, 22.3787
YIQ	147.6510, -61.3350, -61.3590

Conversions

Conversions Part 2

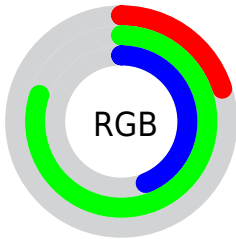
Format	Color
RYB	51, 161, 204
Decimal	3394671
CIELab	72.92, -59.40, 35.28
CIElCh	73, 69.084, 149.295
Yxy	45.0372, 0.2770, 0.4830
Android (android.graphics.Color)	4281584751 (0xFF33CC6F)
YUV	147.6510, -18.0689, -84.7629
Hunter-Lab	67.1098, -48.7421, 27.2057

Details

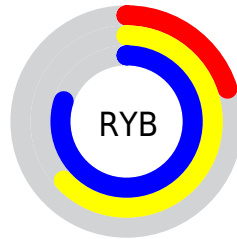
The Yxy color **45.0372, 0.2770, 0.4830** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **17.2191, 0.4073, 0.2254**, and the grayscale version is **29.5599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1223, 0.2849, 0.4445**, and **21.5167, 0.2794, 0.5259** is the 20% darker color. If you saturate the color by 10%, you get **44.3658, 0.2779, 0.5057**, and if you desaturate by 10%, it is **45.9825, 0.2780, 0.4594**.

Distribution



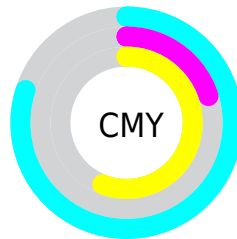
- Red (20%)
- Green (80%)
- Blue (44%)



- Red (20%)
- Yellow (63%)
- Blue (80%)



- Cyan (75%)
- Magenta (0%)
- Yellow (46%)
- Black (20%)




- Cyan (80%)
- Magenta (20%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.0372, 0.2770, 0.4830 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 45.0372, 0.2770, 0.4830 by changing the saturation by 10% instead.


 45.0372, 0.2770,
0.4830

 45.0372, 0.2770,
0.4830


366.9242, 0.2985,
0.3994


 31.4867, 0.2703,
0.5058


 82.7762, 0.2857,
0.4511


 20.9698, 0.2609,
0.5361


 107.7336, 0.2887,
0.4396

 13.1019, 0.2470,
0.5780


 137.2620, 0.2912,
0.4300

 7.4988, 0.2248,
0.6383

 171.7459, 0.2932,
0.4220

 3.7759, 0.1919,
0.7493

 211.5697, 0.2948,
0.4151

 1.5490, 0.0000,
1.0000

257.1177, 0.2962,

 0.3229, 0.0000,

0.4091

1.0000

308.7744, 0.2974,
0.4040

■ 0.0000, 0.0000,
0.0000

■ 45.0372, 0.2770,
0.4830

■ 45.0372, 0.2770,
0.4830

■ 44.3658, 0.2779,
0.5057

■ 45.9825, 0.2780,
0.4594

■ 43.9282, 0.2806,
0.5265

■ 47.2247, 0.2807,
0.4357

■ 43.7663, 0.2823,
0.5361

■ 48.7902, 0.2848,
0.4128

■ 50.7012, 0.2900,
0.3911

■ 52.9776, 0.2961,
0.3710

■ 55.6379, 0.3026,
0.3528

■ 58.6992, 0.3093,
0.3365

■ 62.1778, 0.3161,
0.3220

■ 66.0888, 0.3228,
0.3092

Harmonies

Analogous

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



45.0372, 0.3669, 0.5092



45.0372, 0.2770, 0.4830



45.0372, 0.2018, 0.3854

Triad

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



45.0372, 0.2770, 0.4830



45.0372, 0.1792, 0.1898



45.0372, 0.4928, 0.3346

Complementary

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



45.0372, 0.2770, 0.4830



17.2191, 0.4073, 0.2254

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.



45.0372, 0.4258, 0.2725



45.0372, 0.2770, 0.4830



45.0372, 0.2370, 0.1935

Square

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



45.0372, 0.2770, 0.4830



45.0372, 0.1540, 0.2165



45.0372, 0.3261, 0.2227



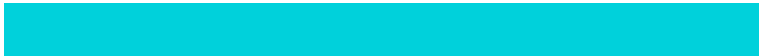
45.0372, 0.4975, 0.4019

Rectangle

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



45.0372, 0.2770, 0.4830



45.0372, 0.1700, 0.3130



45.0372, 0.3261, 0.2227



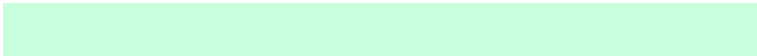
45.0372, 0.4768, 0.3131

Sweetspot

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



45.0390, 0.2770, 0.4830



88.8640, 0.2978, 0.3659



49.4777, 0.3598, 0.5247



18.7755, 0.2960, 0.3711



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.



45.0390, 0.2770, 0.4830



72.9833, 0.2793, 0.5188



47.4423, 0.2388, 0.3559



12.6086, 0.3063, 0.3434



27.5636, 0.2815, 0.5335



1.4368, 0.2704, 0.4934

Inverse Universe

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



17.2191, 0.4073, 0.2254



24.6921, 0.4364, 0.2227



15.6340, 0.5433, 0.3128



11.3263, 0.3197, 0.3150



9.0142, 0.4496, 0.2250



0.4797, 0.4179, 0.2076

Previews

White Background



This preview shows how the Yxy color 45.0372, 0.2770, 0.4830 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 45.0372, 0.2770, 0.4830 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 45.0372, 0.2770, 0.4830

Background



This preview shows how black text looks on a background with the Yxy color 45.0372, 0.2770, 0.4830.



This preview shows how white text looks on a background with the Yxy color 45.0372, 0.2770, 0.4830.

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

45.0372, 0.2770, 0.4830

Protanopia

43.9860, 0.3931, 0.4261

Deuteranopia

44.0784, 0.3986, 0.3917



Tritanopia

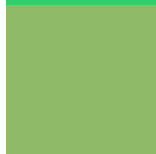
44.8672, 0.2365, 0.3058

Trichromacy



Original Color

45.0372, 0.2770, 0.4830



Protanomaly

42.4002, 0.3369, 0.4514



Deuteranomaly

41.4892, 0.3393, 0.4264



Tritanomaly

44.4455, 0.2506, 0.3662

Monochromacy



Original Color

45.0372, 0.2770, 0.4830



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.2652, 0.2913, 0.3847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.0372, 0.2770, 0.4830 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(51, 204, 111)` looks like.

```
.text, #text, p{  
    color:rgb(51, 204, 111)  
}
```

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(51, 204, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 204, 111) }
```

Border

The CSS property to change the border of an element to Yxy 45.0372, 0.2770, 0.4830 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(51, 204, 111) }
```

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

```
.border{ border-color:rgb(51, 204, 111) }
```

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

Here you see how a box with a 4 pixel rgb(51, 204, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 204, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 204, 111);  
box-shadow:4px 4px 4px 4px rgb(51, 204,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 45.0372, 0.2770, 0.4830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 204, 111) }
```

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

```
.background{ background-color: rgb(51, 204,  
111) }
```

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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