

Converting Colors

$Yxy(44.9004, 0.2721, 0.4772)$

Have a look what the booklet for
Yxy(44.9004, 0.2721, 0.4772)
contains.

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Color

Yxy(44.8950, 0.2723, 0.4774)

Conversions

Conversions Part 1

Format	Color
Hex	29CC73
RGB	41, 204, 115
RGB Percent	16%, 80%, 45%
CMY	0.8385, 0.2000, 0.5490
CMYK	0.80, 0.00, 0.44, 0.20
HSL	147°, 66%, 48%
HSV	147°, 80%, 80%
XYZ	25.6073, 44.8950, 23.5384
YIQ	145.1170, -68.5790, -62.2350

Conversions

Conversions Part 2

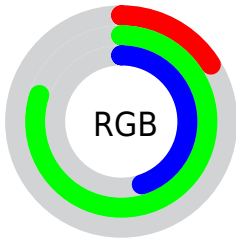
Format	Color
RYB	41, 153, 204
Decimal	2739315
CIELab	72.82, -59.92, 33.11
CIELCh	73, 68.463, 151.079
Yxy	44.8950, 0.2723, 0.4774
Android (android.graphics.Color)	4280929395 (0xFF29CC73)
YUV	145.1170, -14.8477, -91.3106
Hunter-Lab	67.0037, -49.0380, 26.0741

Details

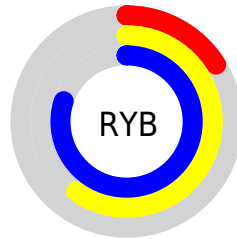
The Yxy color **44.8950, 0.2723, 0.4774** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **16.0505, 0.4342, 0.2343**, and the grayscale version is **28.4692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9246, 0.2809, 0.4399**, and **21.5615, 0.2771, 0.5176** is the 20% darker color. If you saturate the color by 10%, you get **44.3374, 0.2738, 0.4978**, and if you desaturate by 10%, it is **45.7046, 0.2727, 0.4561**.

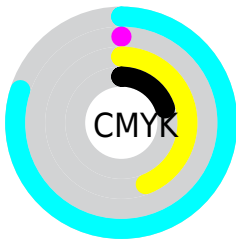
Distribution



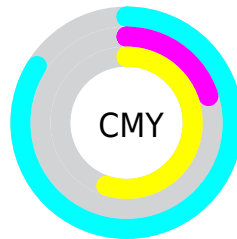
- Red (16%)
- Green (80%)
- Blue (45%)



- Red (16%)
- Yellow (60%)
- Blue (80%)



- Cyan (80%)
- Magenta (0%)
- Yellow (44%)
- Black (20%)




- Cyan (84%)
- Magenta (20%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8950, 0.2723, 0.4774 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 44.8950, 0.2723, 0.4774 by changing the saturation by 10% instead.

 44.8950, 0.2723,
0.4774


 44.8950, 0.2723,
0.4774


366.3481, 0.2959,
0.3968


 31.3747, 0.2652,
0.4995


 82.5628, 0.2817,
0.4466


 20.8844, 0.2554,
0.5288


 107.4792, 0.2850,
0.4355


 13.0395, 0.2411,
0.5695


 136.9630, 0.2877,
0.4263

 7.4558, 0.2186,
0.6286

 171.3987, 0.2899,
0.4186

 3.7487, 0.1838,
0.7311

 211.1707, 0.2917,
0.4119

 1.5340, 0.0000,
1.0000

256.6633, 0.2933,

 0.3125, 0.0000,

0.4062

1.0000

308.2610, 0.2947,
0.4012


 0.0000, 0.0000,
0.0000


 44.8950, 0.2723,
0.4774


 44.8950, 0.2723,
0.4774


 44.3374, 0.2738,
0.4978


 45.7046, 0.2727,
0.4561


 43.9714, 0.2770,
0.5169

 46.7913, 0.2750,
0.4347

 43.9654, 0.2770,
0.5172

 48.1829, 0.2790,
0.4137

 49.9021, 0.2843,
0.3937

 51.9695, 0.2907,
0.3751

■ 54.4040, 0.2977,
0.3580

■ 57.2229, 0.3052,
0.3426

■ 60.4426, 0.3129,
0.3288

■ 64.0784, 0.3205,
0.3165

Harmonies

Analogous

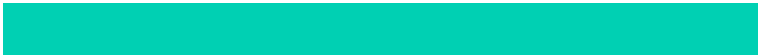
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.8950, 0.3614, 0.5085



44.8950, 0.2723, 0.4774



44.8950, 0.1992, 0.3784

Triad

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



44.8950, 0.2723, 0.4774



44.8950, 0.1826, 0.1902



44.8950, 0.4935, 0.3386

Complementary

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



44.8950, 0.2723, 0.4774



16.0505, 0.4342, 0.2343

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.



44.8950, 0.4303, 0.2764



44.8950, 0.2723, 0.4774



44.8950, 0.2420, 0.1954

Square

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



44.8950, 0.2723, 0.4774



44.8950, 0.1556, 0.2147



44.8950, 0.3320, 0.2258



44.8950, 0.4946, 0.4058

Rectangle

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



44.8950, 0.2723, 0.4774



44.8950, 0.1690, 0.3074



44.8950, 0.3320, 0.2258



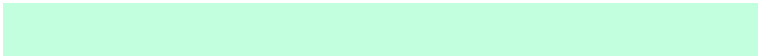
44.8950, 0.4788, 0.3171

Sweetspot

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



44.8968, 0.2723, 0.4774



88.2129, 0.2945, 0.3655



48.1485, 0.3510, 0.5397



18.5760, 0.2920, 0.3717



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.



44.8968, 0.2723, 0.4774



72.9716, 0.2762, 0.5121



47.6377, 0.2323, 0.3410



12.6202, 0.3055, 0.3419



27.6919, 0.2763, 0.5147



1.4438, 0.2657, 0.4766

Inverse Universe

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



16.0505, 0.4342, 0.2343



23.4946, 0.4716, 0.2389



14.6590, 0.5796, 0.3236



11.3145, 0.3206, 0.3164



8.8282, 0.4747, 0.2389



0.4706, 0.4367, 0.2179

Previews

White Background



This preview shows how the Yxy color 44.8950, 0.2723, 0.4774 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 44.8950, 0.2723, 0.4774 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 44.8950, 0.2723, 0.4774

Background



This preview shows how black text looks on a background with the Yxy color 44.8950, 0.2723, 0.4774.



This preview shows how white text looks on a background with the Yxy color 44.8950, 0.2723, 0.4774.

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

44.8950, 0.2723, 0.4774

Protanopia

43.9335, 0.3890, 0.4218

Deuteranopia

44.0284, 0.3941, 0.3872



Tritanopia

44.6282, 0.2345, 0.3057

Trichromacy



Original Color

44.8950, 0.2723, 0.4774



Protanomaly

42.0480, 0.3299, 0.4473



Deuteranomaly

41.2015, 0.3327, 0.4216



Tritanomaly

44.2566, 0.2469, 0.3632

Monochromacy



Original Color

44.8950, 0.2723, 0.4774



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.1195, 0.2871, 0.3842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8950, 0.2723, 0.4774 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(41, 204, 115)` looks like.

```
.text, #text, p{  
    color:rgb(41, 204, 115)  
}
```

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(41, 204, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 204, 115) }
```

Border

The CSS property to change the border of an element to Yxy 44.8950, 0.2723, 0.4774 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(41, 204, 115) }
```

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

```
.border{ border-color:rgb(41, 204, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 204, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 204, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 204, 115);  
box-shadow:4px 4px 4px 4px rgb(41, 204,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8950, 0.2723, 0.4774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 204, 115) }
```

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

```
.background{ background-color: rgb(41, 204,  
115) }
```

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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