

Converting Colors

$Y_{xy}(54.7010, 0.2730, 0.5028)$

Have a look what the booklet for
Yxy(54.7010, 0.2730, 0.5028)
contains.

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Color

Yxy(54.4812, 0.2730, 0.5028)

Conversions

Conversions Part 1

Format	Color
Hex	00E070
RGB	0, 224, 112
RGB Percent	0%, 88%, 44%
CMY	1.0000, 0.1216, 0.5607
CMYK	1.00, 0.00, 0.50, 0.12
HSL	150°, 100%, 44%
HSV	150°, 100%, 88%
XYZ	29.5811, 54.4812, 24.2933
YIQ	144.2560, -97.5520, -82.3200

Conversions

Conversions Part 2

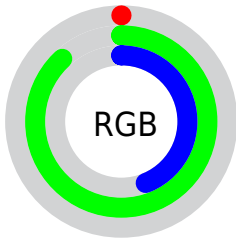
Format	Color
RYB	0, 149, 224
Decimal	57456
CIELab	78.74, -69.53, 42.04
CIELCh	79, 81.252, 148.838
Yxy	54.4812, 0.2730, 0.5028
Android (android.graphics.Color)	4278247536 (0xFF00E070)
YUV	144.2560, -15.9022, -126.5125
Hunter-Lab	73.8114, -57.6332, 32.1540

Details

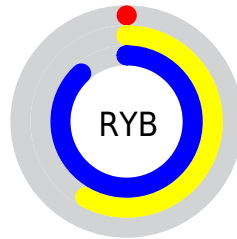
The Yxy color **54.4812, 0.2730, 0.5028** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **17.0171, 0.4986, 0.2521**, and the grayscale version is **28.0953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3990, 0.2790, 0.4434**, and **27.9744, 0.2837, 0.5413** is the 20% darker color. If you saturate the color by 10%, you get **54.4836, 0.2730, 0.5028**, and if you desaturate by 10%, it is **54.9240, 0.2699, 0.4847**.

Distribution



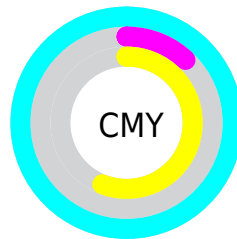
- Red (0%)
- Green (88%)
- Blue (44%)



- Red (0%)
- Yellow (58%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (12%)




- Cyan (100%)
- Magenta (12%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.4812, 0.2730, 0.5028 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 54.4812, 0.2730, 0.5028 by changing the saturation by 10% instead.

 54.4812, 0.2730,
0.5028

 54.4812, 0.2730,
0.5028

403.9423, 0.2968,
0.4107

 38.9865, 0.2658,
0.5269


 96.7804, 0.2826,
0.4684


 26.7492, 0.2559,
0.5582


 124.3537, 0.2859,
0.4557

 17.3850, 0.2415,
0.6002


 156.7220, 0.2886,
0.4451

 10.5094, 0.2195,
0.6582

 194.2697, 0.2908,
0.4361

 5.7380, 0.1855,
0.7462

 237.3812, 0.2927,
0.4284

 2.6864, 0.0928,
0.9072


286.4409, 0.2943,

 0.9703, 0.0000,


0.4217


1.0000


341.8331, 0.2956,
0.4159


 0.0000, 0.0000,
0.0000

 54.4812, 0.2730,
0.5028


 54.4812, 0.2730,
0.5028

 54.4836, 0.2730,
0.5028

 54.9240, 0.2699,
0.4847

 55.5995, 0.2685,
0.4656

 56.5770, 0.2691,
0.4459

 57.8949, 0.2717,
0.4262

 59.5857, 0.2760,
0.4070

■ 61.6778, 0.2817,
0.3886

■ 64.1970, 0.2886,
0.3716

■ 67.1667, 0.2962,
0.3559

■ 70.6086, 0.3044,
0.3417

Harmonies

Analogous

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



54.4812, 0.3700, 0.5269



54.4812, 0.2730, 0.5028



54.4812, 0.1920, 0.3930

Triad

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



54.4812, 0.2730, 0.5028



54.4812, 0.1679, 0.1788



54.4812, 0.5101, 0.3314

Complementary

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



54.4812, 0.2730, 0.5028



17.0171, 0.4986, 0.2521

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.



54.4812, 0.4356, 0.2659



54.4812, 0.2730, 0.5028



54.4812, 0.2286, 0.1827

Square

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



54.4812, 0.2730, 0.5028



54.4812, 0.1417, 0.2066



54.4812, 0.3249, 0.2133



54.4812, 0.5139, 0.4030

Rectangle

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



54.4812, 0.2730, 0.5028



54.4812, 0.1583, 0.3115



54.4812, 0.3249, 0.2133



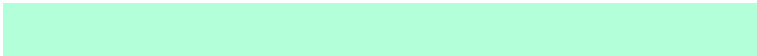
54.4812, 0.4924, 0.3088

Sweetspot

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



54.4836, 0.2730, 0.5028



86.0415, 0.2884, 0.3719



56.7579, 0.3358, 0.5716



18.0950, 0.2854, 0.3790



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.



54.4836, 0.2730, 0.5028



73.0662, 0.2733, 0.5040



58.6951, 0.2247, 0.3287



15.4510, 0.3048, 0.3410



31.7356, 0.2723, 0.5001



2.2178, 0.2644, 0.4719

Inverse Universe

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



17.0171, 0.4986, 0.2521



22.8046, 0.5002, 0.2529



15.8478, 0.6401, 0.3300



13.8143, 0.3214, 0.3173



9.9281, 0.4952, 0.2502



0.7062, 0.4612, 0.2314

Previews

White Background



This preview shows how the Yxy color 54.4812, 0.2730, 0.5028 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 54.4812, 0.2730, 0.5028 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 54.4812, 0.2730, 0.5028

Background



This preview shows how black text looks on a background with the Yxy color 54.4812, 0.2730, 0.5028.

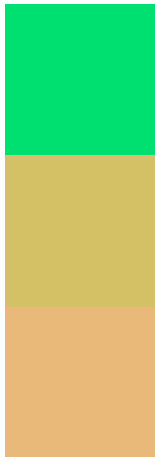


This preview shows how white text looks on a background with the Yxy color 54.4812, 0.2730, 0.5028.

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

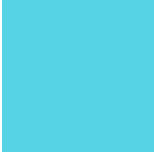
54.4812, 0.2730, 0.5028

Protanopia

53.2256, 0.4002, 0.4359

Deuteranopia

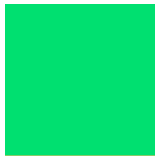
53.4267, 0.4072, 0.3995



Tritanopia

54.1684, 0.2324, 0.3061

Trichromacy



Original Color

54.4812, 0.2730, 0.5028



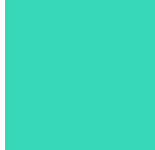
Protanomaly

49.4399, 0.3271, 0.4716



Deuteranomaly

48.4508, 0.3295, 0.4447



Tritanomaly

53.4691, 0.2440, 0.3729

Monochromacy



Original Color

54.4812, 0.2730, 0.5028



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

33.8284, 0.2785, 0.4005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4812, 0.2730, 0.5028 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(0, 224, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 112)  
}
```

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(0, 224, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 112) }
```

Border

The CSS property to change the border of an element to Yxy 54.4812, 0.2730, 0.5028 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(0, 224, 112) }
```

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

```
.border{ border-color:rgb(0, 224, 112) }
```

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

Here you see how a box with a 4 pixel rgb(0, 224, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4812, 0.2730, 0.5028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 112) }
```

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

```
.background{ background-color: rgb(0, 224,  
112) }
```

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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