

Converting Colors

$Y_{xy}(55.3029, 0.2770, 0.5000)$

Have a look what the booklet for
Yxy(55.3029, 0.2770, 0.5000)
contains.

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Color

Yxy(55.4548, 0.2770, 0.5002)

Conversions

Conversions Part 1

Format	Color
Hex	26E171
RGB	38, 225, 113
RGB Percent	15%, 88%, 44%
CMY	0.8502, 0.1177, 0.5569
CMYK	0.83, 0.00, 0.50, 0.12
HSL	144°, 76%, 52%
HSV	144°, 83%, 88%
XYZ	30.7097, 55.4548, 24.7008
YIQ	156.3190, -75.5000, -74.4760

Conversions

Conversions Part 2

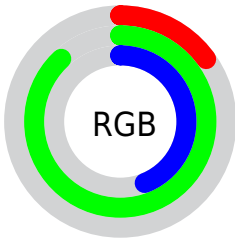
Format	Color
RYB	38, 171, 225
Decimal	2548081
CIELab	79.30, -67.69, 42.34
CIELCh	79, 79.840, 147.976
Yxy	55.4548, 0.2770, 0.5002
Android (android.graphics.Color)	4280738161 (0xFF26E171)
YUV	156.3190, -21.3563, -103.7658
Hunter-Lab	74.4680, -56.7078, 32.4613

Details

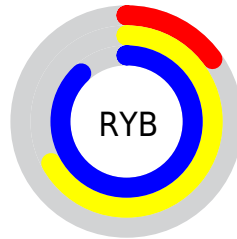
The Yxy color **55.4548, 0.2770, 0.5002** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **19.6161, 0.4252, 0.2238**, and the grayscale version is **33.5456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1616, 0.2831, 0.4407**, and **28.3531, 0.2834, 0.5404** is the 20% darker color. If you saturate the color by 10%, you get **54.8670, 0.2794, 0.5213**, and if you desaturate by 10%, it is **56.3507, 0.2764, 0.4774**.

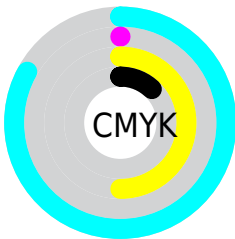
Distribution



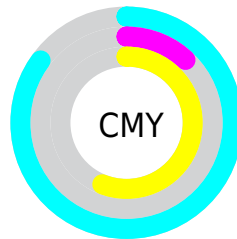
- Red (15%)
- Green (88%)
- Blue (44%)



- Red (15%)
- Yellow (67%)
- Blue (88%)



- Cyan (83%)
- Magenta (0%)
- Yellow (50%)
- Black (12%)





- Cyan (85%)
- Magenta (12%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.4548, 0.2770, 0.5002 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 55.4548, 0.2770, 0.5002 by changing the saturation by 10% instead.


 55.4548, 0.2770,
0.5002


 55.4548, 0.2770,
0.5002


407.6336, 0.2987,
0.4099

 39.7660, 0.2704,
0.5237


 98.2070, 0.2858,
0.4665


 27.3561, 0.2611,
0.5542


 126.0391, 0.2888,
0.4541

 17.8409, 0.2477,
0.5949


 158.6878, 0.2913,
0.4437

 10.8358, 0.2272,
0.6510

 196.5375, 0.2933,
0.4349

 5.9565, 0.1947,
0.7347

 239.9725, 0.2950,
0.4273

 2.8187, 0.1184,
0.8816


289.3773, 0.2964,


 1.0378, 0.0000,

0.4208


1.0000


345.1362, 0.2977,
0.4150

 0.0000, 0.0000,
0.0000


 55.4548, 0.2770,
0.5002


 55.4548, 0.2770,
0.5002


 54.8670, 0.2794,
0.5213


 56.3507, 0.2764,
0.4774

 54.5886, 0.2819,
0.5348


 57.5901, 0.2777,
0.4539


 59.2106, 0.2808,
0.4304


 61.2427, 0.2852,
0.4078

 63.7140, 0.2907,
0.3866

 66.6493, 0.2970,
0.3670

 70.0718, 0.3037,
0.3493

 74.0029, 0.3106,
0.3334

 78.4628, 0.3176,
0.3194

Harmonies

Analogous

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



55.4548, 0.3724, 0.5219



55.4548, 0.2770, 0.5002



55.4548, 0.1965, 0.3951

Triad

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



55.4548, 0.2770, 0.5002



55.4548, 0.1692, 0.1818



55.4548, 0.5046, 0.3301

Complementary

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



55.4548, 0.2770, 0.5002



19.6161, 0.4252, 0.2238

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.



55.4548, 0.4300, 0.2656



55.4548, 0.2770, 0.5002



55.4548, 0.2281, 0.1847

Square

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



55.4548, 0.2770, 0.5002



55.4548, 0.1444, 0.2105



55.4548, 0.3218, 0.2142



55.4548, 0.5109, 0.4005

Rectangle

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



55.4548, 0.2770, 0.5002



55.4548, 0.1624, 0.3154



55.4548, 0.3218, 0.2142



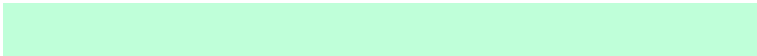
55.4548, 0.4865, 0.3077

Sweetspot

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



55.4571, 0.2770, 0.5002



87.6265, 0.2956, 0.3711



60.5013, 0.3568, 0.5410



18.4554, 0.2933, 0.3779



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.



55.4571, 0.2770, 0.5002



72.4808, 0.2822, 0.5361



58.7370, 0.2351, 0.3548



15.4277, 0.3062, 0.3434



31.4787, 0.2811, 0.5319



2.1993, 0.2725, 0.5009

Inverse Universe

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



19.6161, 0.4252, 0.2238



23.5574, 0.4574, 0.2293



17.7010, 0.5827, 0.3175



13.8379, 0.3199, 0.3150



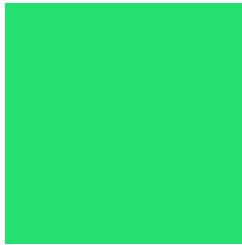
10.2549, 0.4536, 0.2272



0.7284, 0.4276, 0.2129

Previews

White Background



This preview shows how the Yxy color 55.4548, 0.2770, 0.5002 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 55.4548, 0.2770, 0.5002 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

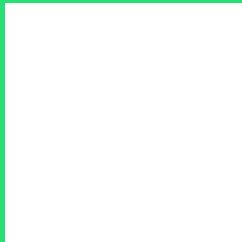
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.4548, 0.2770, 0.5002

Background



This preview shows how black text looks on a background with the Yxy color 55.4548, 0.2770, 0.5002.



This preview shows how white text looks on a background with the Yxy color 55.4548, 0.2770, 0.5002.

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

55.4548, 0.2770, 0.5002

Protanopia

54.4366, 0.4001, 0.4361

Deuteranopia

54.2100, 0.4077, 0.3989



Tritanopia

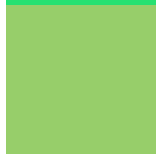
55.0194, 0.2343, 0.3063

Trichromacy



Original Color

55.4548, 0.2770, 0.5002



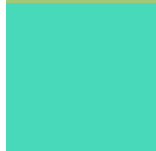
Protanomaly

51.7625, 0.3377, 0.4670



Deuteranomaly

50.4270, 0.3410, 0.4399



Tritanomaly

54.5913, 0.2485, 0.3722

Monochromacy



Original Color

55.4548, 0.2770, 0.5002



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

38.4519, 0.2885, 0.3953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4548, 0.2770, 0.5002 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(38, 225, 113)` looks like.

```
.text, #text, p{  
    color:rgb(38, 225, 113)  
}
```

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(38, 225, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 225, 113) }
```

Border

The CSS property to change the border of an element to Yxy 55.4548, 0.2770, 0.5002 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(38, 225, 113) }
```

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

```
.border{ border-color:rgb(38, 225, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 225, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 225, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 225, 113);  
box-shadow:4px 4px 4px 4px rgb(38, 225,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4548, 0.2770, 0.5002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 225, 113) }
```

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

```
.background{ background-color: rgb(38, 225,  
113) }
```

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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