

Converting Colors

$Y_{xy}(54.8770, 0.2793, 0.5063)$

Have a look what the booklet for
Yxy(54.8770, 0.2793, 0.5063)
contains.

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Color

Yxy(54.8451, 0.2793, 0.5066)

Conversions

Conversions Part 1

Format	Color
Hex	28E06C
RGB	40, 224, 108
RGB Percent	16%, 88%, 42%
CMY	0.8431, 0.1216, 0.5765
CMYK	0.82, 0.00, 0.52, 0.12
HSL	142°, 75%, 52%
HSV	142°, 82%, 88%
XYZ	30.2373, 54.8451, 23.1787
YIQ	155.7600, -72.4280, -75.0840

Conversions

Conversions Part 2

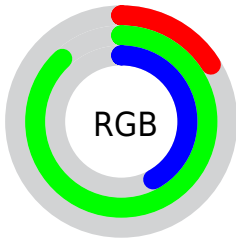
Format	Color
RYB	40, 174, 224
Decimal	2678892
CIELab	78.95, -67.95, 44.29
CIELCh	79, 81.109, 146.902
Yxy	54.8451, 0.2793, 0.5066
Android (android.graphics.Color)	4280868972 (0xFF28E06C)
YUV	155.7600, -23.5457, -101.5215
Hunter-Lab	74.0575, -56.7198, 33.2835

Details

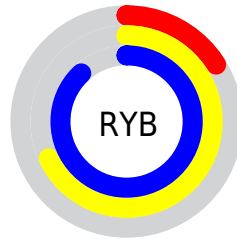
The Yxy color **54.8451, 0.2793, 0.5066** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **19.7664, 0.4141, 0.2183**, and the grayscale version is **33.2656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9802, 0.2854, 0.4473**, and **27.9230, 0.2860, 0.5494** is the 20% darker color. If you saturate the color by 10%, you get **54.2442, 0.2816, 0.5284**, and if you desaturate by 10%, it is **55.7589, 0.2788, 0.4829**.

Distribution



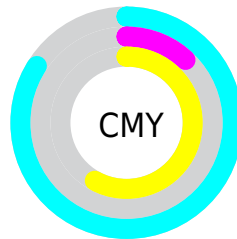
- Red (16%)
- Green (88%)
- Blue (42%)



- Red (16%)
- Yellow (68%)
- Blue (88%)



- Cyan (82%)
- Magenta (0%)
- Yellow (52%)
- Black (12%)




- Cyan (84%)
- Magenta (12%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8451, 0.2793, 0.5066 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 54.8451, 0.2793, 0.5066 by changing the saturation by 10% instead.


 54.8451, 0.2793,
0.5066


 54.8451, 0.2793,
0.5066


405.3245, 0.3003,
0.4127

 39.2777, 0.2727,
0.5310


 97.3140, 0.2880,
0.4716


 26.9758, 0.2634,
0.5627


 124.9842, 0.2909,
0.4587

 17.5551, 0.2497,
0.6048

 157.4576, 0.2933,
0.4479

 10.6310, 0.2284,
0.6626

 195.1184, 0.2952,
0.4387

 5.8193, 0.1960,
0.7531

 238.3512, 0.2968,
0.4308

 2.7355, 0.1092,
0.8908

287.5401, 0.2982,

 0.9953, 0.0000,

0.4240

1.0000

343.0698, 0.2993,
0.4180

■ 0.0000, 0.0000,
0.0000

■ 54.8451, 0.2793,
0.5066

■ 54.8451, 0.2793,
0.5066

■ 54.2442, 0.2816,
0.5284

■ 55.7589, 0.2788,
0.4829


■ 53.9345, 0.2844,
0.5437


■ 57.0202, 0.2801,
0.4583


■ 58.6659, 0.2830,
0.4337


■ 60.7262, 0.2873,
0.4100

■ 63.2285, 0.2925,
0.3877

 66.1974, 0.2985,
0.3673

 69.6558, 0.3048,
0.3488

 73.6251, 0.3113,
0.3323

 78.1255, 0.3178,
0.3177

Harmonies

Analogous

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



54.8451, 0.3761, 0.5246



54.8451, 0.2793, 0.5066



54.8451, 0.1967, 0.4009

Triad

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



54.8451, 0.2793, 0.5066



54.8451, 0.1656, 0.1800



54.8451, 0.5066, 0.3271

Complementary

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



54.8451, 0.2793, 0.5066



19.7664, 0.4141, 0.2183

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.



54.8451, 0.4285, 0.2623



54.8451, 0.2793, 0.5066



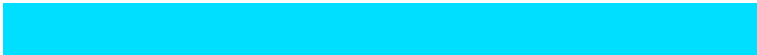
54.8451, 0.2239, 0.1820

Square

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



54.8451, 0.2793, 0.5066



54.8451, 0.1416, 0.2101



54.8451, 0.3179, 0.2110



54.8451, 0.5151, 0.3982

Rectangle

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



54.8451, 0.2793, 0.5066



54.8451, 0.1613, 0.3189



54.8451, 0.3179, 0.2110



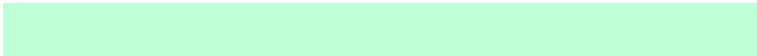
54.8451, 0.4874, 0.3046

Sweetspot

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



54.8473, 0.2793, 0.5066



87.5252, 0.2966, 0.3733



60.5883, 0.3616, 0.5362



18.4315, 0.2945, 0.3805



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.



54.8473, 0.2793, 0.5066



72.3780, 0.2843, 0.5431



57.9101, 0.2379, 0.3635



15.4206, 0.3066, 0.3441



31.4129, 0.2836, 0.5408



2.1943, 0.2748, 0.5094

Inverse Universe

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



19.7664, 0.4141, 0.2183



23.9137, 0.4430, 0.2218



17.7421, 0.5709, 0.3122



13.8452, 0.3194, 0.3143



10.3704, 0.4412, 0.2204



0.7359, 0.4178, 0.2075

Previews

White Background



This preview shows how the Yxy color 54.8451, 0.2793, 0.5066 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 54.8451, 0.2793, 0.5066 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

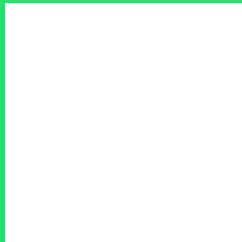
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.8451, 0.2793, 0.5066

Background



This preview shows how black text looks on a background with the Yxy color 54.8451, 0.2793, 0.5066.



This preview shows how white text looks on a background with the Yxy color 54.8451, 0.2793, 0.5066.

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

54.8451, 0.2793, 0.5066

Protanopia

53.7616, 0.4024, 0.4395

Deuteranopia

53.4984, 0.4113, 0.4033



Tritanopia

54.5171, 0.2348, 0.3062

Trichromacy



Original Color

54.8451, 0.2793, 0.5066



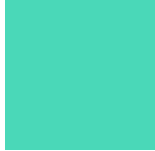
Protanomaly

51.2013, 0.3403, 0.4710



Deuteranomaly

49.8483, 0.3446, 0.4454



Tritanomaly

54.0283, 0.2503, 0.3754

Monochromacy



Original Color

54.8451, 0.2793, 0.5066



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

38.4892, 0.2900, 0.3969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8451, 0.2793, 0.5066 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(40, 224, 108)` looks like.

```
.text, #text, p{  
    color:rgb(40, 224, 108)  
}
```

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(40, 224, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 224, 108) }
```

Border

The CSS property to change the border of an element to Yxy 54.8451, 0.2793, 0.5066 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(40, 224, 108) }
```

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

```
.border{ border-color:rgb(40, 224, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 224, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 224, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 224, 108);  
box-shadow:4px 4px 4px 4px rgb(40, 224,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8451, 0.2793, 0.5066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 224, 108) }
```

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

```
.background{ background-color: rgb(40, 224,  
108) }
```

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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