

Converting Colors

$Y_{xy}(53.3267, 0.2405, 0.4761)$

Have a look what the booklet for
Yxy(53.3267, 0.2405, 0.4761)
contains.

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Color

Yxy(55.5997, 0.2632, 0.4676)

Conversions

Conversions Part 1

Format	Color
Hex	00E187
RGB	0, 225, 135
RGB Percent	0%, 88%, 53%
CMY	1.0000, 0.1176, 0.4705
CMYK	1.00, 0.00, 0.40, 0.12
HSL	156°, 100%, 44%
HSV	156°, 100%, 88%
XYZ	31.2956, 55.5997, 32.0091
YIQ	147.4650, -105.2100, -75.6900

Conversions

Conversions Part 2

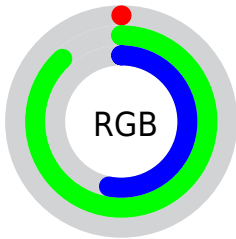
Format	Color
RYB	0, 141, 225
Decimal	57735
CIELab	79.39, -65.88, 31.47
CIELCh	79, 73.012, 154.464
Yxy	55.5997, 0.2632, 0.4676
Android (android.graphics.Color)	4278247815 (0xFF00E187)
YUV	147.4650, -6.1452, -129.3268
Hunter-Lab	74.5652, -55.5712, 26.7439

Details

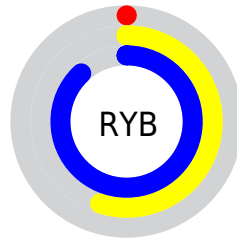
The Yxy color **55.5997, 0.2632, 0.4676** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **16.7468, 0.5410, 0.2754**, and the grayscale version is **29.4414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3199, 0.2686, 0.4124**, and **28.6454, 0.2721, 0.4995** is the 20% darker color. If you saturate the color by 10%, you get **55.6042, 0.2632, 0.4676**, and if you desaturate by 10%, it is **56.0449, 0.2608, 0.4525**.

Distribution



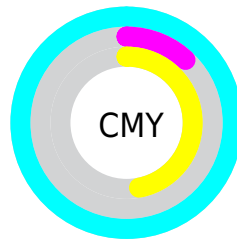
- Red (0%)
- Green (88%)
- Blue (53%)



- Red (0%)
- Yellow (55%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (12%)




- Cyan (100%)
- Magenta (12%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.5997, 0.2632, 0.4676 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 55.5997, 0.2632, 0.4676 by changing the saturation by 10% instead.


 55.5997, 0.2632,
0.4676


 55.5997, 0.2632,
0.4676


408.1812, 0.2900,
0.3949


 39.8821, 0.2559,
0.4866


 98.4191, 0.2734,
0.4405


 27.4466, 0.2463,
0.5114


 126.2896, 0.2771,
0.4305

 17.9089, 0.2330,
0.5448


 158.9798, 0.2801,
0.4222

 10.8846, 0.2136,
0.5921

 196.8742, 0.2827,
0.4151

 5.9893, 0.1837,
0.6623

 240.3572, 0.2849,
0.4090

 2.8386, 0.1267,
0.8333

289.8131, 0.2868,

 1.0480, 0.0000,

0.4037

1.0000

345.6263, 0.2885,
0.3990

■ 0.0000, 0.0000,
0.0000

■ 55.5997, 0.2632,
0.4676

■ 55.5997, 0.2632,
0.4676

■ 55.6042, 0.2632,
0.4676

■ 56.0449, 0.2608,
0.4525

■ 56.7128, 0.2601,
0.4370

■ 57.6748, 0.2615,
0.4213

■ 58.9691, 0.2648,
0.4057

■ 60.6282, 0.2700,
0.3906

■ 62.6804, 0.2767,
0.3762

■ 65.1512, 0.2847,
0.3628

■ 68.0640, 0.2935,
0.3504

■ 71.4402, 0.3029,
0.3391

Harmonies

Analogous

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



55.5997, 0.3513, 0.5078



55.5997, 0.2632, 0.4676



55.5997, 0.1937, 0.3656

Triad

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



55.5997, 0.2632, 0.4676



55.5997, 0.1883, 0.1901



55.5997, 0.4957, 0.3461

Complementary

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



55.5997, 0.2632, 0.4676



16.7468, 0.5410, 0.2754

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.



55.5997, 0.4391, 0.2833



55.5997, 0.2632, 0.4676



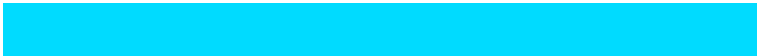
55.5997, 0.2512, 0.1983

Square

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



55.5997, 0.2632, 0.4676



55.5997, 0.1579, 0.2110



55.5997, 0.3432, 0.2312



55.5997, 0.4900, 0.4132

Rectangle

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



55.5997, 0.2632, 0.4676



55.5997, 0.1664, 0.2970



55.5997, 0.3432, 0.2312



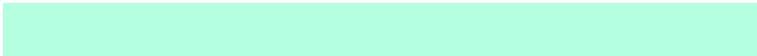
55.5997, 0.4834, 0.3245

Sweetspot

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



55.6042, 0.2632, 0.4676



86.4480, 0.2845, 0.3630



56.0283, 0.3233, 0.5815



18.1914, 0.2810, 0.3686



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.



55.6042, 0.2632, 0.4676



73.8203, 0.2635, 0.4686



47.9160, 0.2158, 0.2969



15.4747, 0.3035, 0.3385



32.0629, 0.2626, 0.4653



2.2400, 0.2561, 0.4419

Inverse Universe

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



16.7468, 0.5410, 0.2754



22.2190, 0.5427, 0.2763



16.6019, 0.6333, 0.3354



13.7909, 0.3230, 0.3197



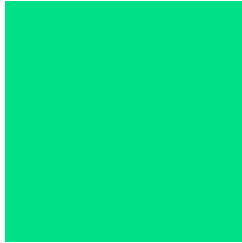
9.6712, 0.5370, 0.2732



0.6877, 0.4962, 0.2507

Previews

White Background



This preview shows how the Yxy color 55.5997, 0.2632, 0.4676 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 55.5997, 0.2632, 0.4676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

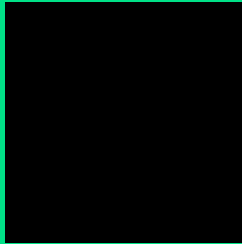
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.5997, 0.2632, 0.4676

Background



This preview shows how black text looks on a background with the Yxy color 55.5997, 0.2632, 0.4676.



This preview shows how white text looks on a background with the Yxy color 55.5997, 0.2632, 0.4676.

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

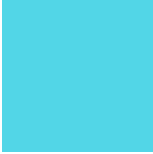
55.5997, 0.2632, 0.4676

Protanopia

54.4573, 0.3826, 0.4148

Deuteranopia

54.3773, 0.3856, 0.3782



Tritanopia

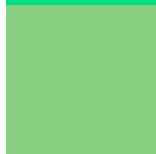
55.6565, 0.2308, 0.3062

Trichromacy



Original Color

55.5997, 0.2632, 0.4676



Protanomaly

50.8258, 0.3129, 0.4431



Deuteranomaly

49.8074, 0.3124, 0.4144



Tritanomaly

54.8584, 0.2395, 0.3604

Monochromacy



Original Color

55.5997, 0.2632, 0.4676



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

35.0228, 0.2726, 0.3833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.5997, 0.2632, 0.4676 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, 225, 135)` looks like.

```
.text, #text, p{  
    color:rgb(0, 225, 135)  
}
```

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, 225, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 225, 135) }
```

Border

The CSS property to change the border of an element to Yxy 55.5997, 0.2632, 0.4676 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, 225, 135) }
```

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

```
.border{ border-color:rgb(0, 225, 135) }
```

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

Here you see how a box with a 4 pixel rgb(0, 225, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 225, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 225, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 225,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 55.5997, 0.2632, 0.4676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 225, 135) }
```

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

```
.background{ background-color: rgb(0, 225,  
135) }
```

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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