

Converting Colors

$Y_{xy}(44.1345, 0.2730, 0.5027)$

Have a look what the booklet for
Yxy(44.1345, 0.2730, 0.5027)
contains.

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Color

Yxy(44.1253, 0.2732, 0.5035)

Conversions

Conversions Part 1

Format	Color
Hex	00CC65
RGB	0, 204, 101
RGB Percent	0%, 80%, 40%
CMY	0.9998, 0.2000, 0.6039
CMYK	1.00, 0.00, 0.50, 0.20
HSL	150°, 100%, 40%
HSV	150°, 100%, 80%
XYZ	23.9425, 44.1253, 19.5694
YIQ	131.2620, -88.5210, -75.2810

Conversions

Conversions Part 2

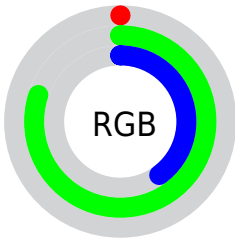
Format	Color
RYB	0, 136, 204
Decimal	52325
CIELab	72.31, -64.88, 39.39
CIELCh	72, 75.903, 148.734
Yxy	44.1253, 0.2732, 0.5035
Android (android.graphics.Color)	4278242405 (0xFF00CC65)
YUV	131.2620, -14.9192, -115.1168
Hunter-Lab	66.4269, -51.9097, 29.0320

Details

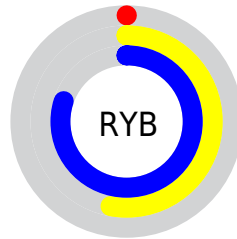
The Yxy color **44.1253, 0.2732, 0.5035** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **13.8186, 0.4952, 0.2502**, and the grayscale version is **22.8793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.6779, 0.2825, 0.4601**, and **21.4188, 0.2848, 0.5452** is the 20% darker color. If you saturate the color by 10%, you get **44.1264, 0.2732, 0.5035**, and if you desaturate by 10%, it is **44.4950, 0.2702, 0.4853**.

Distribution



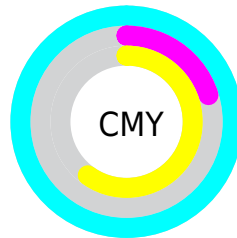
- Red (0%)
- Green (80%)
- Blue (40%)



- Red (0%)
- Yellow (53%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.1253, 0.2732, 0.5035 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 44.1253, 0.2732, 0.5035 by changing the saturation by 10% instead.


 44.1253, 0.2732,
0.5035

 44.1253, 0.2732,
0.5035


363.2193, 0.2976,
0.4080


 30.7690, 0.2654,
0.5297


 81.4063, 0.2833,
0.4669


 20.4230, 0.2543,
0.5645


 106.0997, 0.2867,
0.4537

 12.7029, 0.2377,
0.6124

 135.3411, 0.2895,
0.4428

 7.2243, 0.2110,
0.6805

 169.5146, 0.2917,
0.4336

 3.6028, 0.1749,
0.8251

 209.0049, 0.2936,
0.4258

 1.4539, 0.0000,
1.0000

254.1961, 0.2951,


 0.2560, 0.0000,


0.4190

1.0000

305.4728, 0.2965,
0.4131

 0.0000, 0.0000,
0.0000

 44.1253, 0.2732,
0.5035

 44.1253, 0.2732,
0.5035


 44.1264, 0.2732,
0.5035

 44.4950, 0.2702,
0.4853

 45.0508, 0.2689,
0.4661

 45.8504, 0.2696,
0.4463

 46.9244, 0.2721,
0.4265

 48.2983, 0.2764,
0.4072

■ 49.9948, 0.2821,
0.3888

■ 52.0344, 0.2889,
0.3717

■ 54.4357, 0.2965,
0.3560

■ 57.2160, 0.3045,
0.3417

Harmonies

Analogous

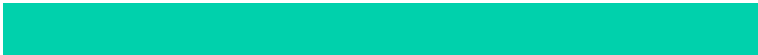
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.1253, 0.3704, 0.5272



44.1253, 0.2732, 0.5035



44.1253, 0.1920, 0.3935

Triad

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



44.1253, 0.2732, 0.5035



44.1253, 0.1675, 0.1785



44.1253, 0.5104, 0.3311

Complementary

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



44.1253, 0.2732, 0.5035



13.8186, 0.4952, 0.2502

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.



44.1253, 0.4355, 0.2656



44.1253, 0.2732, 0.5035



44.1253, 0.2281, 0.1824

Square

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



44.1253, 0.2732, 0.5035



44.1253, 0.1414, 0.2065



44.1253, 0.3246, 0.2130



44.1253, 0.5144, 0.4027

Rectangle

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



44.1253, 0.2732, 0.5035



44.1253, 0.1582, 0.3118



44.1253, 0.3246, 0.2130



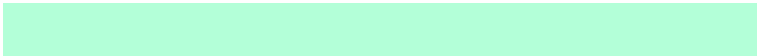
44.1253, 0.4926, 0.3084

Sweetspot

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



44.1271, 0.2732, 0.5035



86.0213, 0.2886, 0.3724



46.2159, 0.3385, 0.5694



18.0902, 0.2856, 0.3796



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

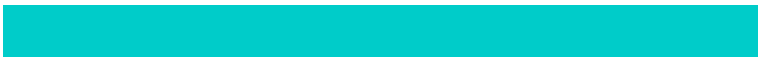
The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.1271, 0.2732, 0.5035



73.0325, 0.2738, 0.5057



47.3857, 0.2261, 0.3338



12.6280, 0.3050, 0.3409



27.7916, 0.2725, 0.5010



1.4491, 0.2625, 0.4649

Inverse Universe

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



13.8186, 0.4952, 0.2502



22.8387, 0.4980, 0.2517



12.8462, 0.6385, 0.3291



11.3066, 0.3212, 0.3174



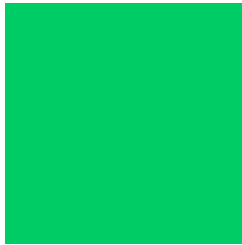
8.7153, 0.4921, 0.2485



0.4649, 0.4498, 0.2252

Previews

White Background



This preview shows how the Yxy color 44.1253, 0.2732, 0.5035 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 44.1253, 0.2732, 0.5035 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 44.1253, 0.2732, 0.5035

Background



This preview shows how black text looks on a background with the Yxy color 44.1253, 0.2732, 0.5035.

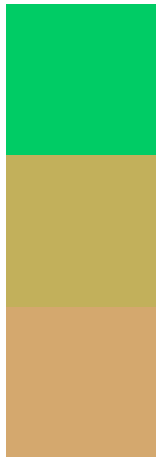


This preview shows how white text looks on a background with the Yxy color 44.1253, 0.2732, 0.5035.

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

44.1253, 0.2732, 0.5035

Protanopia

43.2753, 0.4002, 0.4367

Deuteranopia

43.1281, 0.4077, 0.3999



Tritanopia

43.8730, 0.2324, 0.3055

Trichromacy



Original Color

44.1253, 0.2732, 0.5035



Protanomaly

40.1550, 0.3267, 0.4721



Deuteranomaly

39.2602, 0.3300, 0.4442



Tritanomaly

43.0225, 0.2441, 0.3722

Monochromacy



Original Color

44.1253, 0.2732, 0.5035



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

27.6488, 0.2783, 0.4011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.1253, 0.2732, 0.5035 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, 204, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 101)  
}
```

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, 204, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 101) }
```

Border

The CSS property to change the border of an element to Yxy 44.1253, 0.2732, 0.5035 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, 204, 101) }
```

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

```
.border{ border-color:rgb(0, 204, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 44.1253, 0.2732, 0.5035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 101) }
```

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

```
.background{ background-color: rgb(0, 204,  
101) }
```

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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