

Converting Colors

$Y_{xy}(44.0533, 0.2750, 0.5098)$

Have a look what the booklet for
Yxy(44.0533, 0.2750, 0.5098)
contains.

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Color

Yxy(44.0553, 0.2751, 0.5100)

Conversions

Conversions Part 1

Format	Color
Hex	01CC61
RGB	1, 204, 97
RGB Percent	0%, 80%, 38%
CMY	0.9959, 0.2000, 0.6195
CMYK	0.99, 0.00, 0.52, 0.20
HSL	148°, 99%, 40%
HSV	148°, 99%, 80%
XYZ	23.7639, 44.0553, 18.5637
YIQ	131.1050, -86.6410, -76.3130

Conversions

Conversions Part 2

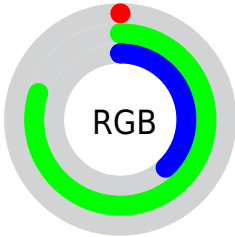
Format	Color
RYB	1, 139, 204
Decimal	117857
CIELab	72.27, -65.46, 41.28
CIELCh	72, 77.394, 147.765
Yxy	44.0553, 0.2751, 0.5100
Android (android.graphics.Color)	4278307937 (0xFF01CC61)
YUV	131.1050, -16.8138, -114.1021
Hunter-Lab	66.3742, -52.2464, 29.8795

Details

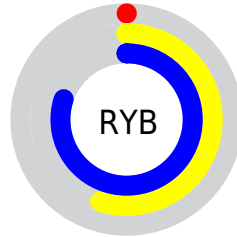
The Yxy color **44.0553, 0.2751, 0.5100** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **13.9439, 0.4846, 0.2446**, and the grayscale version is **22.8273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5468, 0.2842, 0.4655**, and **21.3771, 0.2872, 0.5540** is the 20% darker color. If you saturate the color by 10%, you get **44.0401, 0.2753, 0.5109**, and if you desaturate by 10%, it is **44.4291, 0.2721, 0.4913**.

Distribution



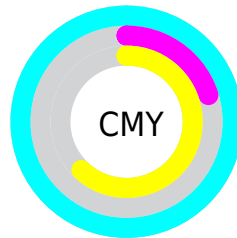
- Red (0%)
- Green (80%)
- Blue (38%)



- Red (0%)
- Yellow (55%)
- Blue (80%)



- Cyan (99%)
- Magenta (0%)
- Yellow (52%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.0553, 0.2751, 0.5100 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 44.0553, 0.2751, 0.5100 by changing the saturation by 10% instead.


 44.0553, 0.2751,
0.5100

 44.0553, 0.2751,
0.5100


362.9339, 0.2989,
0.4108


 30.7140, 0.2673,
0.5372


 81.3009, 0.2851,
0.4721

 20.3812, 0.2561,
0.5731


 105.9741, 0.2884,
0.4584

 12.6724, 0.2391,
0.6224


 135.1933, 0.2911,
0.4470

 7.2034, 0.2117,
0.6919

 169.3429, 0.2933,
0.4375

 3.5896, 0.1718,
0.8282

 208.8074, 0.2951,
0.4293

 1.4467, 0.0000,
1.0000


253.9711, 0.2966,


 0.2508, 0.0000,


0.4223

1.0000

305.2185, 0.2978,
0.4162

 0.0000, 0.0000,
0.0000


 44.0553, 0.2751,
0.5100

 44.0553, 0.2751,
0.5100

 44.0401, 0.2753,
0.5109

 44.4291, 0.2721,
0.4913

 44.9965, 0.2707,
0.4713

 45.8115, 0.2713,
0.4507

 46.9044, 0.2738,
0.4300

 48.3008, 0.2780,
0.4099

■ 50.0234, 0.2836,
0.3907

■ 52.0925, 0.2902,
0.3728

■ 54.5269, 0.2975,
0.3564

■ 57.3438, 0.3052,
0.3416

Harmonies

Analogous

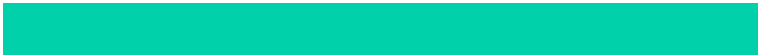
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.0553, 0.3738, 0.5302



44.0553, 0.2751, 0.5100



44.0553, 0.1918, 0.3990

Triad

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



44.0553, 0.2751, 0.5100



44.0553, 0.1639, 0.1766



44.0553, 0.5128, 0.3284

Complementary

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



44.0553, 0.2751, 0.5100



13.9439, 0.4846, 0.2446

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.



44.0553, 0.4345, 0.2624



44.0553, 0.2751, 0.5100



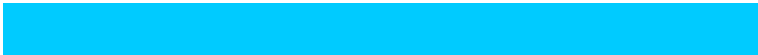
44.0553, 0.2240, 0.1796

Square

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



44.0553, 0.2751, 0.5100



44.0553, 0.1386, 0.2058



44.0553, 0.3210, 0.2098



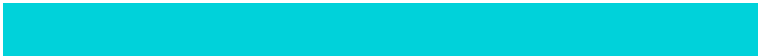
44.0553, 0.5187, 0.4006

Rectangle

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



44.0553, 0.2751, 0.5100



44.0553, 0.1568, 0.3148



44.0553, 0.3210, 0.2098



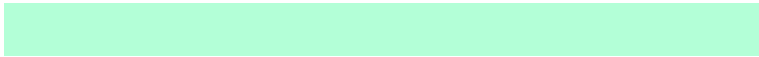
44.0553, 0.4939, 0.3055

Sweetspot

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



44.0571, 0.2751, 0.5100



85.9338, 0.2895, 0.3744



46.4589, 0.3411, 0.5671



18.0696, 0.2866, 0.3819



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.



44.0571, 0.2751, 0.5100



72.8902, 0.2759, 0.5132



47.2358, 0.2276, 0.3389



12.6238, 0.3053, 0.3415



27.7371, 0.2746, 0.5084



1.4462, 0.2642, 0.4711

Inverse Universe

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



13.9439, 0.4846, 0.2446



22.9930, 0.4884, 0.2464



12.8776, 0.6362, 0.3283



11.3108, 0.3209, 0.3168



8.7742, 0.4828, 0.2433



0.4679, 0.4428, 0.2213

Previews

White Background



This preview shows how the Yxy color 44.0553, 0.2751, 0.5100 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 44.0553, 0.2751, 0.5100 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 44.0553, 0.2751, 0.5100

Background



This preview shows how black text looks on a background with the Yxy color 44.0553, 0.2751, 0.5100.



This preview shows how white text looks on a background with the Yxy color 44.0553, 0.2751, 0.5100.

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

44.0553, 0.2751, 0.5100

Protanopia

43.2246, 0.4024, 0.4399

Deuteranopia

43.1920, 0.4121, 0.4041



Tritanopia

43.9156, 0.2327, 0.3055

Trichromacy



Original Color

44.0553, 0.2751, 0.5100



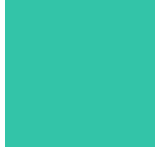
Protanomaly

40.1582, 0.3301, 0.4775



Deuteranomaly

39.2613, 0.3338, 0.4499



Tritanomaly

43.0108, 0.2449, 0.3739

Monochromacy



Original Color

44.0553, 0.2751, 0.5100



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

27.6704, 0.2798, 0.4030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0553, 0.2751, 0.5100 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(1, 204, 97)` looks like.

```
.text, #text, p{  
    color:rgb(1, 204, 97)  
}
```

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(1, 204, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 204, 97) }
```

Border

The CSS property to change the border of an element to Yxy 44.0553, 0.2751, 0.5100 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(1, 204, 97) }
```

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

```
.border{ border-color:rgb(1, 204, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 204, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 204, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 204, 97);  
box-shadow:4px 4px 4px 4px rgb(1, 204, 97)  
}
```


Background

The CSS property to change the background color of an element to Yxy 44.0553, 0.2751, 0.5100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 204, 97) }
```

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

```
.background{ background-color: rgb(1, 204,  
97) }
```

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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