

Converting Colors

$Y_{xy}(50.7971, 0.2625, 0.5033)$

Have a look what the booklet for
Yxy(50.7971, 0.2625, 0.5033)
contains.

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Color

Yxy(51.8329, 0.2719, 0.4987)

Conversions

Conversions Part 1

Format	Color
Hex	00DB70
RGB	0, 219, 112
RGB Percent	0%, 86%, 44%
CMY	0.9981, 0.1412, 0.5608
CMYK	1.00, 0.00, 0.49, 0.14
HSL	151°, 100%, 43%
HSV	151°, 100%, 86%
XYZ	28.2602, 51.8329, 23.8429
YIQ	141.3210, -96.1770, -79.7050

Conversions

Conversions Part 2

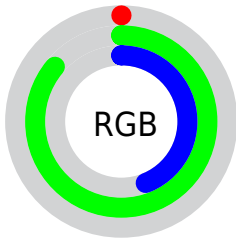
Format	Color
RYB	0, 145, 219
Decimal	56176
CIELab	77.18, -67.92, 40.11
CIELCh	77, 78.879, 149.438
Yxy	51.8329, 0.2719, 0.4987
Android (android.graphics.Color)	4278246256 (0xFF00DB70)
YUV	141.3210, -14.4553, -123.9385
Hunter-Lab	71.9951, -55.9248, 30.7612

Details

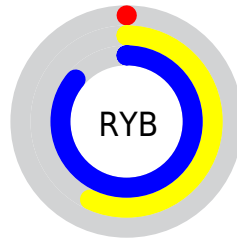
The Yxy color **51.8329, 0.2719, 0.4987** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **16.1417, 0.5022, 0.2541**, and the grayscale version is **26.9132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3008, 0.2791, 0.4449**, and **26.1776, 0.2827, 0.5377** is the 20% darker color. If you saturate the color by 10%, you get **51.8268, 0.2720, 0.4991**, and if you desaturate by 10%, it is **52.2601, 0.2689, 0.4809**.

Distribution



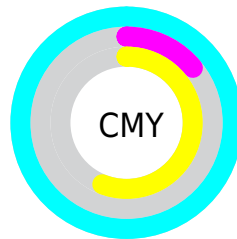
- Red (0%)
- Green (86%)
- Blue (44%)



- Red (0%)
- Yellow (57%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (49%)
- Black (14%)




- Cyan (100%)
- Magenta (14%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8329, 0.2719, 0.4987 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 51.8329, 0.2719, 0.4987 by changing the saturation by 10% instead.


 51.8329, 0.2719,
0.4987

 51.8329, 0.2719,
0.4987


393.7912, 0.2962,
0.4081


 36.8719, 0.2646,
0.5227


 92.8848, 0.2817,
0.4646


 25.1083, 0.2544,
0.5541


 119.7444, 0.2850,
0.4522


 16.1578, 0.2397,
0.5965


 151.3391, 0.2878,
0.4418

 9.6359, 0.2172,
0.6557

 188.0531, 0.2901,
0.4330

 5.1582, 0.1824,
0.7491

 230.2709, 0.2920,
0.4254

 2.3404, 0.0601,
0.9399


278.3770, 0.2936,

 0.7950, 0.0000,


0.4189

1.0000


332.7556, 0.2950,
0.4132


 0.0000, 0.0000,
0.0000


 51.8329, 0.2719,
0.4987


 51.8329, 0.2719,
0.4987


 51.8268, 0.2720,
0.4991

 52.2601, 0.2689,
0.4809

 52.9095, 0.2676,
0.4621

 53.8452, 0.2684,
0.4428

 55.1034, 0.2711,
0.4235

 56.7145, 0.2755,
0.4047

■ 58.7055, 0.2814,
0.3869

■ 61.1004, 0.2884,
0.3703

■ 63.9215, 0.2962,
0.3550

■ 67.1891, 0.3044,
0.3411

Harmonies

Analogous

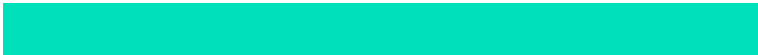
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.8329, 0.3679, 0.5249



51.8329, 0.2719, 0.4987



51.8329, 0.1922, 0.3896

Triad

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



51.8329, 0.2719, 0.4987



51.8329, 0.1702, 0.1801



51.8329, 0.5085, 0.3331

Complementary

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



51.8329, 0.2719, 0.4987



16.1417, 0.5022, 0.2541

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.



51.8329, 0.4361, 0.2679



51.8329, 0.2719, 0.4987



51.8329, 0.2312, 0.1845

Square

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



51.8329, 0.2719, 0.4987



51.8329, 0.1435, 0.2071



51.8329, 0.3271, 0.2153



51.8329, 0.5112, 0.4042

Rectangle

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



51.8329, 0.2719, 0.4987



51.8329, 0.1592, 0.3097



51.8329, 0.3271, 0.2153



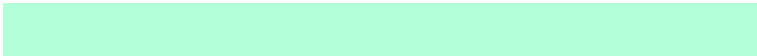
51.8329, 0.4914, 0.3106

Sweetspot

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



51.8350, 0.2719, 0.4987



86.0822, 0.2880, 0.3710



53.9613, 0.3360, 0.5713



18.1046, 0.2850, 0.3780



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.



51.8350, 0.2719, 0.4987



73.1354, 0.2724, 0.5005



55.7796, 0.2247, 0.3287



14.7166, 0.3047, 0.3407



30.7536, 0.2712, 0.4965



2.0098, 0.2631, 0.4670

Inverse Universe

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



16.1417, 0.5022, 0.2541



22.7371, 0.5046, 0.2553



15.0711, 0.6398, 0.3300



13.1573, 0.3215, 0.3176



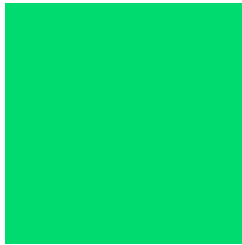
9.5843, 0.4993, 0.2524



0.6383, 0.4625, 0.2322

Previews

White Background



This preview shows how the Yxy color 51.8329, 0.2719, 0.4987 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 51.8329, 0.2719, 0.4987 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 51.8329, 0.2719, 0.4987

Background



This preview shows how black text looks on a background with the Yxy color 51.8329, 0.2719, 0.4987.

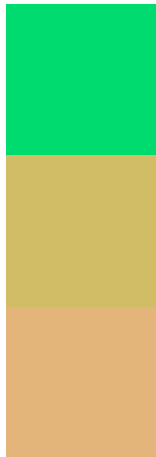


This preview shows how white text looks on a background with the Yxy color 51.8329, 0.2719, 0.4987.

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

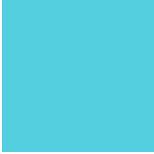
51.8329, 0.2719, 0.4987

Protanopia

50.7447, 0.3981, 0.4339

Deuteranopia

50.7838, 0.4041, 0.3968



Tritanopia

51.7924, 0.2323, 0.3069

Trichromacy



Original Color

51.8329, 0.2719, 0.4987



Protanomaly

47.3150, 0.3257, 0.4687



Deuteranomaly

46.3580, 0.3279, 0.4411



Tritanomaly

50.7643, 0.2433, 0.3708

Monochromacy



Original Color

51.8329, 0.2719, 0.4987



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

32.1613, 0.2779, 0.3983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8329, 0.2719, 0.4987 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, 219, 112)` looks like.

```
.text, #text, p{  
  color:rgb(0, 219, 112)  
}
```

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, 219, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 112) }
```

Border

The CSS property to change the border of an element to Yxy 51.8329, 0.2719, 0.4987 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, 219, 112) }
```

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

```
.border{ border-color:rgb(0, 219, 112) }
```

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

Here you see how a box with a 4 pixel rgb(0, 219, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8329, 0.2719, 0.4987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 112) }
```

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

```
.background{ background-color: rgb(0, 219,  
112) }
```

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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