

Converting Colors

Yxy(51.4460, 0.2792, 0.5219)

Have a look what the booklet for
Yxy(51.4460, 0.2792, 0.5219)
contains.

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Color

Yxy(51.5787, 0.2794, 0.5224)

Conversions

Conversions Part 1

Format	Color
Hex	0CDB60
RGB	12, 219, 96
RGB Percent	5%, 86%, 38%
CMY	0.9547, 0.1412, 0.6235
CMYK	0.95, 0.00, 0.56, 0.14
HSL	144°, 90%, 45%
HSV	144°, 95%, 86%
XYZ	27.5863, 51.5787, 19.5691
YIQ	143.0850, -83.8890, -82.1370

Conversions

Conversions Part 2

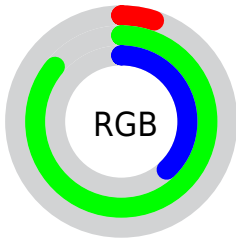
Format	Color
RYB	12, 159, 219
Decimal	842592
CIELab	77.03, -69.94, 47.53
CIELCh	77, 84.558, 145.802
Yxy	51.5787, 0.2794, 0.5224
Android (android.graphics.Color)	4279032672 (0xFF0CDB60)
YUV	143.0850, -23.2129, -114.9615
Hunter-Lab	71.8183, -57.1180, 34.1174

Details

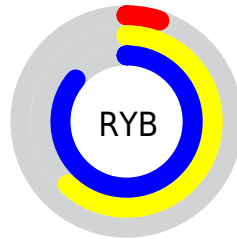
The Yxy color **51.5787, 0.2794, 0.5224** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **17.0475, 0.4491, 0.2273**, and the grayscale version is **27.5648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8781, 0.2870, 0.4659**, and **26.0151, 0.2905, 0.5659** is the 20% darker color. If you saturate the color by 10%, you get **51.3853, 0.2812, 0.5325**, and if you desaturate by 10%, it is **52.0958, 0.2767, 0.5017**.

Distribution



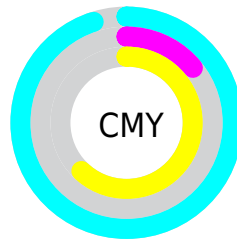
- Red (5%)
- Green (86%)
- Blue (38%)



- Red (5%)
- Yellow (62%)
- Blue (86%)



- Cyan (95%)
- Magenta (0%)
- Yellow (56%)
- Black (14%)




- Cyan (95%)
- Magenta (14%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5787, 0.2794, 0.5224 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 51.5787, 0.2794, 0.5224 by changing the saturation by 10% instead.


 51.5787, 0.2794,
0.5224


 51.5787, 0.2794,
0.5224


392.8080, 0.3014,
0.4190


 36.6694, 0.2721,
0.5496


 92.5096, 0.2888,
0.4836

 24.9516, 0.2616,
0.5848


 119.3000, 0.2919,
0.4694


 16.0410, 0.2458,
0.6317


 150.8195, 0.2943,
0.4575

 9.5532, 0.2209,
0.6953

 187.4526, 0.2963,
0.4474

 5.1037, 0.1868,
0.8132

 229.5835, 0.2979,
0.4388

 2.3082, 0.0353,
0.9647

277.5968, 0.2993,

 0.7781, 0.0000,

0.4313


1.0000

331.8769, 0.3005,
0.4248

 0.0000, 0.0000,
0.0000


 51.5787, 0.2794,
0.5224


 51.5787, 0.2794,
0.5224


 51.3853, 0.2812,
0.5325

 52.0958, 0.2767,
0.5017

 52.8876, 0.2759,
0.4794

 53.9971, 0.2769,
0.4561

 55.4580, 0.2797,
0.4329

 57.2995, 0.2840,
0.4105

■ 59.5477, 0.2894,
0.3892

■ 62.2263, 0.2957,
0.3697

■ 65.3572, 0.3024,
0.3519

■ 68.9605, 0.3094,
0.3359

Harmonies

Analogous

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



51.5787, 0.3808, 0.5348



51.5787, 0.2794, 0.5224



51.5787, 0.1922, 0.4106

Triad

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



51.5787, 0.2794, 0.5224



51.5787, 0.1571, 0.1732



51.5787, 0.5166, 0.3227

Complementary

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



51.5787, 0.2794, 0.5224



17.0475, 0.4491, 0.2273

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.



51.5787, 0.4315, 0.2561



51.5787, 0.2794, 0.5224



51.5787, 0.2159, 0.1746

Square

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



51.5787, 0.2794, 0.5224



51.5787, 0.1335, 0.2051



51.5787, 0.3135, 0.2036



51.5787, 0.5267, 0.3960

Rectangle

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



51.5787, 0.2794, 0.5224



51.5787, 0.1548, 0.3216



51.5787, 0.3135, 0.2036



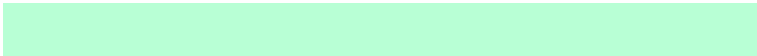
51.5787, 0.4956, 0.2995

Sweetspot

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



51.5808, 0.2794, 0.5224



86.4484, 0.2934, 0.3763



55.9221, 0.3529, 0.5552



18.1553, 0.2907, 0.3849



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.



51.5808, 0.2794, 0.5224



72.5159, 0.2817, 0.5340



54.8249, 0.2336, 0.3588



14.6937, 0.3061, 0.3432



30.4906, 0.2805, 0.5297



1.9921, 0.2713, 0.4968

Inverse Universe

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



17.0475, 0.4491, 0.2273



23.5001, 0.4603, 0.2309



15.4173, 0.6190, 0.3224



13.1804, 0.3200, 0.3152



9.9051, 0.4562, 0.2287



0.6586, 0.4282, 0.2133

Previews

White Background



This preview shows how the Yxy color 51.5787, 0.2794, 0.5224 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 51.5787, 0.2794, 0.5224 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 51.5787, 0.2794, 0.5224

Background



This preview shows how black text looks on a background with the Yxy color 51.5787, 0.2794, 0.5224.

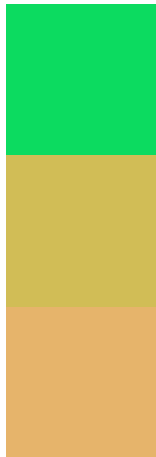


This preview shows how white text looks on a background with the Yxy color 51.5787, 0.2794, 0.5224.

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

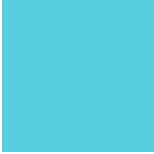
51.5857, 0.2794, 0.5224

Protanopia

50.6224, 0.4088, 0.4482

Deuteranopia

50.5270, 0.4193, 0.4105



Tritanopia

51.3950, 0.2335, 0.3069

Trichromacy



Original Color

51.5857, 0.2794, 0.5224



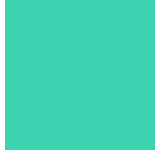
Protanomaly

47.3651, 0.3374, 0.4870



Deuteranomaly

46.1422, 0.3431, 0.4588



Tritanomaly

50.6529, 0.2482, 0.3817

Monochromacy



Original Color

51.5857, 0.2794, 0.5224



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

33.0651, 0.2845, 0.4081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5787, 0.2794, 0.5224 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(12, 219, 96)` looks like.

```
.text, #text, p{  
    color:rgb(12, 219, 96)  
}
```

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(12, 219, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 219, 96) }
```

Border

The CSS property to change the border of an element to Yxy 51.5787, 0.2794, 0.5224 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(12, 219, 96) }
```

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

```
.border{ border-color:rgb(12, 219, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 219, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 219, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 219, 96);  
box-shadow:4px 4px 4px 4px rgb(12, 219,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5787, 0.2794, 0.5224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 219, 96) }
```

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

```
.background{ background-color: rgb(12, 219,  
96) }
```

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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