

Converting Colors

Yxy(51.6908, 0.2857, 0.4990)

Have a look what the booklet for
Yxy(51.6908, 0.2857, 0.4990)
contains.

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Color

Yxy(51.8111, 0.2856, 0.4991)

Conversions

Conversions Part 1

Format	Color
Hex	41D96B
RGB	65, 217, 107
RGB Percent	25%, 85%, 42%
CMY	0.7450, 0.1490, 0.5803
CMYK	0.70, 0.00, 0.51, 0.15
HSL	137°, 67%, 55%
HSV	137°, 70%, 85%
XYZ	29.6479, 51.8111, 22.3501
YIQ	159.0120, -55.2820, -66.4340

Conversions

Conversions Part 2

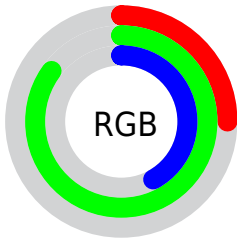
Format	Color
RYB	65, 184, 217
Decimal	4315499
CIELab	77.17, -62.49, 42.66
CIELCh	77, 75.660, 145.683
Yxy	51.8111, 0.2856, 0.4991
Android (android.graphics.Color)	4282505579 (0xFF41D96B)
YUV	159.0120, -25.6419, -82.4485
Hunter-Lab	71.9799, -52.4424, 31.9761

Details

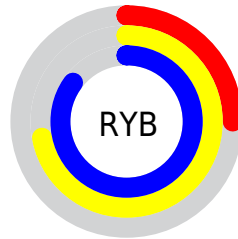
The Yxy color **51.8111, 0.2856, 0.4991** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **21.6304, 0.3728, 0.2108**, and the grayscale version is **34.8189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8834, 0.2922, 0.4479**, and **25.7753, 0.2849, 0.5456** is the 20% darker color. If you saturate the color by 10%, you get **50.9081, 0.2859, 0.5250**, and if you desaturate by 10%, it is **53.0627, 0.2868, 0.4716**.

Distribution



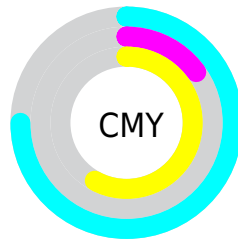
- Red (25%)
- Green (85%)
- Blue (42%)



- Red (25%)
- Yellow (72%)
- Blue (85%)



- Cyan (70%)
- Magenta (0%)
- Yellow (51%)
- Black (15%)





- Cyan (75%)
- Magenta (15%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.8111, 0.2856, 0.4991 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 51.8111, 0.2856, 0.4991 by changing the saturation by 10% instead.


 51.8111, 0.2856,
0.4991


 51.8111, 0.2856,
0.4991

393.7069, 0.3033,
0.4087

 36.8545, 0.2797,
0.5229


 92.8526, 0.2931,
0.4652


 25.0949, 0.2714,
0.5538


 119.7063, 0.2956,
0.4528

 16.1478, 0.2588,
0.5953


 151.2945, 0.2976,
0.4424

 9.6288, 0.2387,
0.6527

 188.0016, 0.2992,
0.4336

 5.1535, 0.2085,
0.7489

230.2120, 0.3005,
0.4260

 2.3376, 0.1073,
0.8927

278.3101, 0.3016,

 0.7935, 0.0000,

0.4195

1.0000

332.6803, 0.3025,
0.4138

■ 0.0000, 0.0000,
0.0000

■ 51.8111, 0.2856,
0.4991

■ 51.8111, 0.2856,
0.4991

■ 50.9081, 0.2859,
0.5250

■ 53.0627, 0.2868,
0.4716

■ 50.3095, 0.2878,
0.5479


■ 54.6887, 0.2894,
0.4438


■ 49.9528, 0.2908,
0.5667

■ 56.7195, 0.2931,
0.4168


■ 59.1809, 0.2975,
0.3915

■ 62.0960, 0.3024,
0.3684

 65.4868, 0.3075,
0.3475

 69.3733, 0.3127,
0.3291

 73.7749, 0.3178,
0.3128

 77.6862, 0.3189,
0.2983

Harmonies

Analogous

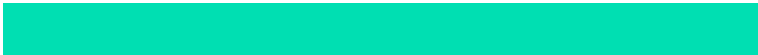
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.8111, 0.3787, 0.5145



51.8111, 0.2856, 0.4991



51.8111, 0.2048, 0.4022

Triad

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



51.8111, 0.2856, 0.4991



51.8111, 0.1697, 0.1863



51.8111, 0.4955, 0.3257

Complementary

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



51.8111, 0.2856, 0.4991



21.6304, 0.3728, 0.2108

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.



51.8111, 0.4190, 0.2630



51.8111, 0.2856, 0.4991



51.8111, 0.2248, 0.1869

Square

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



51.8111, 0.2856, 0.4991



51.8111, 0.1476, 0.2176



51.8111, 0.3138, 0.2140



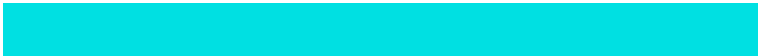
51.8111, 0.5076, 0.3945

Rectangle

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



51.8111, 0.2856, 0.4991



51.8111, 0.1692, 0.3245



51.8111, 0.3138, 0.2140



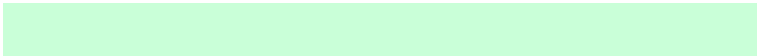
51.8111, 0.4762, 0.3039

Sweetspot

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



51.8132, 0.2856, 0.4991



88.9705, 0.3018, 0.3709



59.2943, 0.3735, 0.5059



18.7830, 0.3004, 0.3772



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.



51.8132, 0.2856, 0.4991



72.9071, 0.2866, 0.5363



54.1098, 0.2491, 0.3808



14.6651, 0.3078, 0.3464



30.2534, 0.2901, 0.5643



1.9744, 0.2810, 0.5316

Inverse Universe

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



21.6304, 0.3728, 0.2108



26.8093, 0.3898, 0.2011



19.4643, 0.4937, 0.2927



13.2103, 0.3180, 0.3122



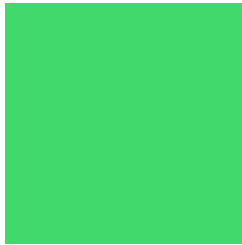
10.4231, 0.4053, 0.2006



0.6896, 0.3884, 0.1914

Previews

White Background



This preview shows how the Yxy color 51.8111, 0.2856, 0.4991 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 51.8111, 0.2856, 0.4991 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 51.8111, 0.2856, 0.4991

Background



This preview shows how black text looks on a background with the Yxy color 51.8111, 0.2856, 0.4991.



This preview shows how white text looks on a background with the Yxy color 51.8111, 0.2856, 0.4991.

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

51.8111, 0.2856, 0.4991

Protanopia

50.6682, 0.4008, 0.4380

Deuteranopia

50.5615, 0.4113, 0.4016



Tritanopia

51.7667, 0.2402, 0.3072

Trichromacy



Original Color

51.8111, 0.2856, 0.4991



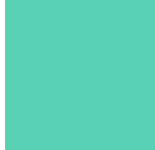
Protanomaly

48.8544, 0.3469, 0.4646



Deuteranomaly

47.7672, 0.3524, 0.4382



Tritanomaly

51.0201, 0.2560, 0.3715

Monochromacy



Original Color

51.8111, 0.2856, 0.4991



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

38.8959, 0.2976, 0.3922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8111, 0.2856, 0.4991 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(65, 217, 107)` looks like.

```
.text, #text, p{  
    color:rgb(65, 217, 107)  
}
```

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(65, 217, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 217, 107) }
```

Border

The CSS property to change the border of an element to Yxy 51.8111, 0.2856, 0.4991 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(65, 217, 107) }
```

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

```
.border{ border-color:rgb(65, 217, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 217, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 217, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 217, 107);  
box-shadow:4px 4px 4px 4px rgb(65, 217,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8111, 0.2856, 0.4991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 217, 107) }
```

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

```
.background{ background-color: rgb(65, 217,  
107) }
```

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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