

Converting Colors

$Yxy(51.5317, 0.2820, 0.4728)$

Have a look what the booklet for
Yxy(51.5317, 0.2820, 0.4728)
contains.

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Color

Yxy(51.5019, 0.2819, 0.4727)

Conversions

Conversions Part 1

Format	Color
Hex	4BD77A
RGB	75, 215, 122
RGB Percent	29%, 84%, 48%
CMY	0.7060, 0.1568, 0.5215
CMYK	0.65, 0.00, 0.43, 0.16
HSL	140°, 64%, 57%
HSV	140°, 65%, 84%
XYZ	30.7137, 51.5019, 26.7370
YIQ	162.5380, -53.5870, -58.6030

Conversions

Conversions Part 2

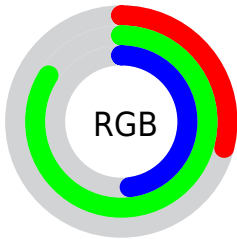
Format	Color
RYB	75, 180, 215
Decimal	4970362
CIELab	76.98, -57.67, 35.07
CIELCh	77, 67.501, 148.695
Yxy	51.5019, 0.2819, 0.4727
Android (android.graphics.Color)	4283160442 (0xFF4BD77A)
YUV	162.5380, -19.9852, -76.7708
Hunter-Lab	71.7648, -49.1944, 28.1461

Details

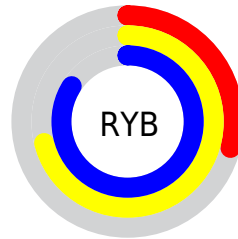
The Yxy color **51.5019, 0.2819, 0.4727** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **22.3027, 0.3789, 0.2247**, and the grayscale version is **36.5096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0184, 0.2884, 0.4276**, and **25.2642, 0.2762, 0.5143** is the 20% darker color. If you saturate the color by 10%, you get **50.4506, 0.2813, 0.4981**, and if you desaturate by 10%, it is **52.9022, 0.2842, 0.4469**.

Distribution



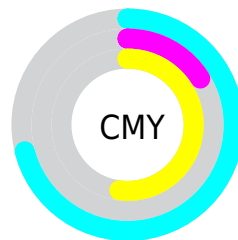
- Red (29%)
- Green (84%)
- Blue (48%)



- Red (29%)
- Yellow (71%)
- Blue (84%)



- Cyan (65%)
- Magenta (0%)
- Yellow (43%)
- Black (16%)





- Cyan (71%)
- Magenta (16%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5019, 0.2819, 0.4727 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 51.5019, 0.2819, 0.4727 by changing the saturation by 10% instead.


 51.5019, 0.2819,
0.4727


 51.5019, 0.2819,
0.4727


392.5106, 0.3002,
0.3966

 36.6082, 0.2764,
0.4928


 92.3962, 0.2892,
0.4442


 24.9043, 0.2688,
0.5191


 119.1657, 0.2918,
0.4337

 16.0058, 0.2576,
0.5549


 150.6624, 0.2938,
0.4250

 9.5282, 0.2403,
0.6055

 187.2710, 0.2956,
0.4176

 5.0873, 0.2115,
0.6813

229.3757, 0.2970,
0.4112

 2.2986, 0.1415,
0.8585

277.3609, 0.2982,


 0.7730, 0.0000,


0.4057


1.0000


331.6111, 0.2993,
0.4009


 0.0000, 0.0000,
0.0000

 51.5019, 0.2819,
0.4727


 51.5019, 0.2819,
0.4727


 50.4506, 0.2813,
0.4981

 52.9022, 0.2842,
0.4469


 49.7088, 0.2824,
0.5219

 54.6740, 0.2878,
0.4216

 49.2384, 0.2851,
0.5431


 56.8448, 0.2925,
0.3977


 49.0745, 0.2868,
0.5523

 59.4382, 0.2978,
0.3755

 62.4754, 0.3036,
0.3554

 65.9765, 0.3096,
0.3374

 69.9602, 0.3156,
0.3215

 74.4442, 0.3215,
0.3075

 76.7984, 0.3175,
0.2942

Harmonies

Analogous

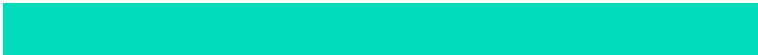
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.5019, 0.3670, 0.4972



51.5019, 0.2819, 0.4727



51.5019, 0.2099, 0.3840

Triad

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



51.5019, 0.2819, 0.4727



51.5019, 0.1856, 0.1975



51.5019, 0.4806, 0.3344

Complementary

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



51.5019, 0.2819, 0.4727



22.3027, 0.3789, 0.2247

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.



51.5019, 0.4169, 0.2750



51.5019, 0.2819, 0.4727



51.5019, 0.2402, 0.2002

Square

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



51.5019, 0.2819, 0.4727



51.5019, 0.1619, 0.2242



51.5019, 0.3238, 0.2276



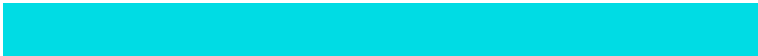
51.5019, 0.4874, 0.3987

Rectangle

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



51.5019, 0.2819, 0.4727



51.5019, 0.1788, 0.3168



51.5019, 0.3238, 0.2276



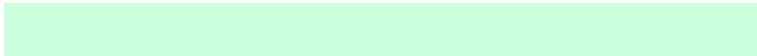
51.5019, 0.4650, 0.3138

Sweetspot

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



51.5040, 0.2819, 0.4727



89.5848, 0.3007, 0.3653



57.4724, 0.3640, 0.5006



18.9094, 0.2990, 0.3711



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.



51.5040, 0.2819, 0.4727



73.7914, 0.2815, 0.5070



53.8896, 0.2466, 0.3624



13.9641, 0.3071, 0.3449



29.3685, 0.2860, 0.5496



1.7866, 0.2761, 0.5139

Inverse Universe

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



22.3027, 0.3789, 0.2247



27.7371, 0.3987, 0.2137



20.3644, 0.4892, 0.3041



12.5585, 0.3189, 0.3136



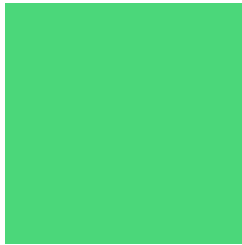
9.8438, 0.4276, 0.2129



0.6089, 0.4046, 0.2003

Previews

White Background



This preview shows how the Yxy color 51.5019, 0.2819, 0.4727 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 51.5019, 0.2819, 0.4727 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 51.5019, 0.2819, 0.4727

Background



This preview shows how black text looks on a background with the Yxy color 51.5019, 0.2819, 0.4727.

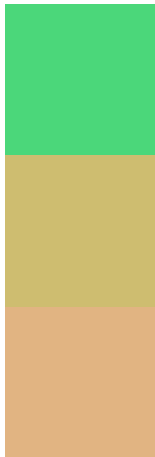


This preview shows how white text looks on a background with the Yxy color 51.5019, 0.2819, 0.4727.

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

51.5019, 0.2819, 0.4727

Protanopia

50.6869, 0.3884, 0.4227

Deuteranopia

50.2618, 0.3961, 0.3873



Tritanopia

51.4172, 0.2417, 0.3072

Trichromacy



Original Color

51.5019, 0.2819, 0.4727



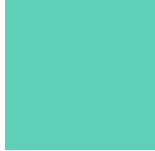
Protanomaly

48.9182, 0.3393, 0.4433



Deuteranomaly

48.2183, 0.3433, 0.4193



Tritanomaly

51.0053, 0.2562, 0.3637

Monochromacy



Original Color

51.5019, 0.2819, 0.4727



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

40.4193, 0.2965, 0.3813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5019, 0.2819, 0.4727 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(75, 215, 122)` looks like.

```
.text, #text, p{  
    color:rgb(75, 215, 122)  
}
```

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(75, 215, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 215, 122) }
```

Border

The CSS property to change the border of an element to Yxy 51.5019, 0.2819, 0.4727 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(75, 215, 122) }
```

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

```
.border{ border-color:rgb(75, 215, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 215, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 215, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 215, 122);  
box-shadow:4px 4px 4px 4px rgb(75, 215,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5019, 0.2819, 0.4727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 215, 122) }
```

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

```
.background{ background-color: rgb(75, 215,  
122) }
```

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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