

Converting Colors

$Y_{xy}(47.5346, 0.3003, 0.5234)$

Have a look what the booklet for
Yxy(47.5346, 0.3003, 0.5234)
contains.

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Color

Yxy(47.3141, 0.3007, 0.5235)

Conversions

Conversions Part 1

Format	Color
Hex	4DD053
RGB	77, 208, 83
RGB Percent	30%, 82%, 33%
CMY	0.6981, 0.1843, 0.6744
CMYK	0.63, 0.00, 0.60, 0.18
HSL	123°, 58%, 56%
HSV	123°, 63%, 82%
XYZ	27.1774, 47.3141, 15.8889
YIQ	154.5810, -37.9510, -66.6470

Conversions

Conversions Part 2

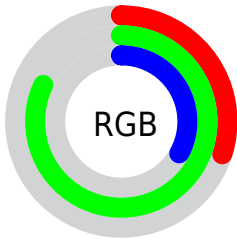
Format	Color
RYB	77, 202, 208
Decimal	5099603
CIELab	74.39, -60.21, 50.55
CIELCh	74, 78.617, 139.985
Yxy	47.3141, 0.3007, 0.5235
Android (android.graphics.Color)	4283289683 (0xFF4DD053)
YUV	154.5810, -35.2894, -68.0385
Hunter-Lab	68.7852, -49.8480, 34.4541

Details

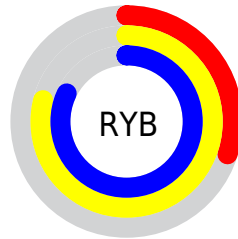
The Yxy color **47.3141, 0.3007, 0.5235** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **22.9778, 0.3263, 0.1907**, and the grayscale version is **32.7546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7865, 0.3073, 0.4762**, and **22.5403, 0.2946, 0.5806** is the 20% darker color. If you saturate the color by 10%, you get **46.3211, 0.2996, 0.5530**, and if you desaturate by 10%, it is **48.6753, 0.3022, 0.4902**.

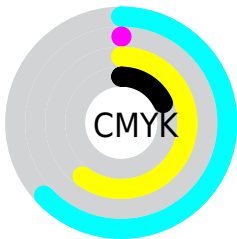
Distribution



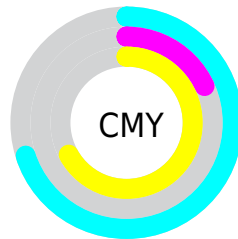
- Red (30%)
- Green (82%)
- Blue (33%)



- Red (30%)
- Yellow (79%)
- Blue (82%)



- Cyan (63%)
- Magenta (0%)
- Yellow (60%)
- Black (18%)





- Cyan (70%)
- Magenta (18%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.3141, 0.3007, 0.5235 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 47.3141, 0.3007, 0.5235 by changing the saturation by 10% instead.


 47.3141, 0.3007,
0.5235


 47.3141, 0.3007,
0.5235


376.0669, 0.3128,
0.4191

 33.2840, 0.2953,
0.5509


 86.1823, 0.3068,
0.4843


 22.3441, 0.2870,
0.5862


 111.7892, 0.3085,
0.4700


 14.1100, 0.2732,
0.6329


 142.0238, 0.3098,
0.4579

 8.1972, 0.2504,
0.6976

 177.2706, 0.3108,
0.4478

 4.2214, 0.2101,
0.7899

 217.9139, 0.3115,
0.4391

 1.7982, 0.0241,
0.9759

264.3381, 0.3121,

 0.4860, 0.0000,

0.4315

1.0000

316.9277, 0.3125,
0.4249

■ 0.0000, 0.0000,
0.0000

■ 47.3141, 0.3007,
0.5235

■ 47.3141, 0.3007,
0.5235

■ 46.3211, 0.2996,
0.5530

■ 48.6753, 0.3022,
0.4902

■ 45.6551, 0.2992,
0.5761

■ 50.4293, 0.3041,
0.4556

■ 45.2761, 0.2992,
0.5914

■ 52.6056, 0.3062,
0.4217

■ 45.1352, 0.2993,
0.5975

■ 55.2291, 0.3082,
0.3900

■ 58.3227, 0.3103,
0.3614

■ 61.9081, 0.3122,
0.3360

■ 66.0052, 0.3139,
0.3138

■ 70.6331, 0.3155,
0.2946

■ 73.5941, 0.3149,
0.2831

Harmonies

Analogous

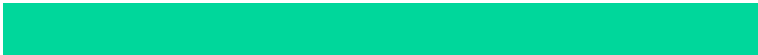
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.3141, 0.3984, 0.5194



47.3141, 0.3007, 0.5235



47.3141, 0.2112, 0.4318

Triad

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



47.3141, 0.3007, 0.5235



47.3141, 0.1551, 0.1817



47.3141, 0.4974, 0.3108

Complementary

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



47.3141, 0.3007, 0.5235



22.9778, 0.3263, 0.1907

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.



47.3141, 0.4054, 0.2476



47.3141, 0.3007, 0.5235



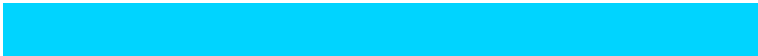
47.3141, 0.2055, 0.1770

Square

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



47.3141, 0.3007, 0.5235



47.3141, 0.1384, 0.2209



47.3141, 0.2930, 0.2003



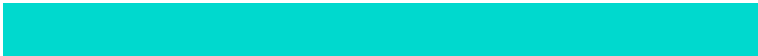
47.3141, 0.5227, 0.3814

Rectangle

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



47.3141, 0.3007, 0.5235



47.3141, 0.1692, 0.3461



47.3141, 0.2930, 0.2003



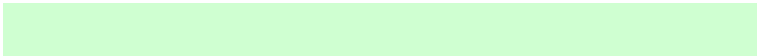
47.3141, 0.4726, 0.2886

Sweetspot

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



47.3161, 0.3007, 0.5235



89.3136, 0.3090, 0.3789



58.4359, 0.3964, 0.4756



18.8256, 0.3084, 0.3874



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.



47.3161, 0.3007, 0.5235



72.9625, 0.2994, 0.5629



48.7933, 0.2684, 0.4243



13.2150, 0.3110, 0.3519



28.1332, 0.2991, 0.5968



1.5762, 0.2962, 0.5862

Inverse Universe

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



22.9778, 0.3263, 0.1907



31.2760, 0.3291, 0.1728



20.5542, 0.4151, 0.2565



11.9992, 0.3145, 0.3071



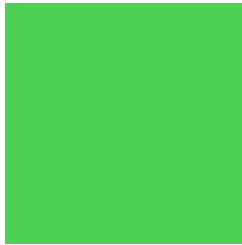
10.9145, 0.3327, 0.1607



0.6132, 0.3304, 0.1594

Previews

White Background



This preview shows how the Yxy color 47.3141, 0.3007, 0.5235 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 47.3141, 0.3007, 0.5235 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 47.3141, 0.3007, 0.5235

Background



This preview shows how black text looks on a background with the Yxy color 47.3141, 0.3007, 0.5235.



This preview shows how white text looks on a background with the Yxy color 47.3141, 0.3007, 0.5235.

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

47.3141, 0.3007, 0.5235

Protanopia

46.5205, 0.4141, 0.4548

Deuteranopia

46.3654, 0.4284, 0.4195



Tritanopia

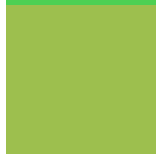
47.0484, 0.2457, 0.3066

Trichromacy



Original Color

47.3141, 0.3007, 0.5235



Protanomaly

44.9798, 0.3647, 0.4837



Deuteranomaly

44.3851, 0.3726, 0.4602



Tritanomaly

46.5856, 0.2669, 0.3838

Monochromacy



Original Color

47.3141, 0.3007, 0.5235



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

36.3691, 0.3076, 0.4017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3141, 0.3007, 0.5235 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(77, 208, 83)` looks like.

```
.text, #text, p{  
    color:rgb(77, 208, 83)  
}
```

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(77, 208, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 208, 83) }
```

Border

The CSS property to change the border of an element to Yxy 47.3141, 0.3007, 0.5235 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(77, 208, 83) }
```

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

```
.border{ border-color:rgb(77, 208, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 208, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 208, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 208, 83);  
box-shadow:4px 4px 4px 4px rgb(77, 208,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 47.3141, 0.3007, 0.5235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 208, 83) }
```

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

```
.background{ background-color: rgb(77, 208,  
83) }
```

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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