

Converting Colors

$Y_{xy}(47.8155, 0.3059, 0.5358)$

Have a look what the booklet for
Yxy(47.8155, 0.3059, 0.5358)
contains.

Yxy(47.7442, 0.3057, 0.5361)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.7442, 0.3057, 0.5361)

Conversions

Conversions Part 1

Format	Color
Hex	4FD149
RGB	79, 209, 73
RGB Percent	31%, 82%, 29%
CMY	0.6904, 0.1804, 0.7136
CMYK	0.62, 0.00, 0.65, 0.18
HSL	117°, 60%, 55%
HSV	117°, 65%, 82%
XYZ	27.2251, 47.7442, 14.0890
YIQ	154.6260, -33.8240, -69.8560

Conversions

Conversions Part 2

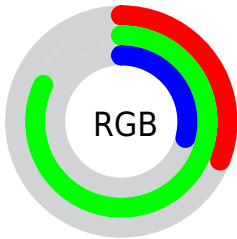
Format	Color
RYB	73, 209, 203
Decimal	5230921
CIELab	74.66, -61.20, 55.16
CIELCh	75, 82.384, 137.971
Yxy	47.7442, 0.3057, 0.5361
Android (android.graphics.Color)	4283421001 (0xFF4FD149)
YUV	154.6260, -40.2416, -66.3240
Hunter-Lab	69.0972, -50.5888, 36.2787

Details

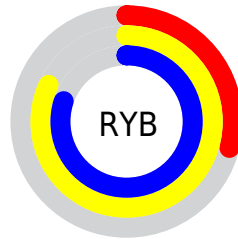
The Yxy color **47.7442, 0.3057, 0.5361** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **22.0826, 0.3129, 0.1793**, and the grayscale version is **32.7932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7150, 0.3124, 0.4862**, and **22.8022, 0.2987, 0.5954** is the 20% darker color. If you saturate the color by 10%, you get **46.7823, 0.3040, 0.5638**, and if you desaturate by 10%, it is **49.0609, 0.3073, 0.5033**.

Distribution



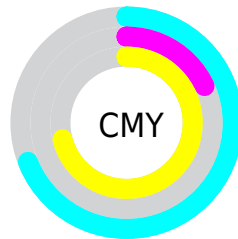
- Red (31%)
- Green (82%)
- Blue (29%)



- Red (29%)
- Yellow (82%)
- Blue (80%)



- Cyan (62%)
- Magenta (0%)
- Yellow (65%)
- Black (18%)




- Cyan (69%)
- Magenta (18%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7442, 0.3057, 0.5361 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 47.7442, 0.3057, 0.5361 by changing the saturation by 10% instead.


 47.7442, 0.3057,
0.5361


 47.7442, 0.3057,
0.5361


377.7773, 0.3164,
0.4255


 33.6244, 0.3003,
0.5647


 86.8234, 0.3116,
0.4949

 22.6052, 0.2915,
0.6012


 112.5516, 0.3131,
0.4796


 14.3022, 0.2770,
0.6485


 142.9180, 0.3142,
0.4669

 8.3312, 0.2544,
0.7178

 178.3070, 0.3150,
0.4560

 4.3076, 0.2076,
0.7924

 219.1031, 0.3155,
0.4467

 1.8471, 0.0259,
0.9741

265.6905, 0.3159,

 0.5163, 0.0000,

0.4387

1.0000

318.4538, 0.3162,
0.4317

■ 0.0000, 0.0000,
0.0000

■ 47.7442, 0.3057,
0.5361

■ 47.7442, 0.3057,
0.5361

■ 46.7823, 0.3040,
0.5638

■ 49.0609, 0.3073,
0.5033

■ 46.1355, 0.3025,
0.5841

■ 50.7558, 0.3088,
0.4680


■ 45.7654, 0.3011,
0.5959

■ 52.8571, 0.3100,
0.4328


■ 45.6633, 0.3008,
0.5994

■ 55.3888, 0.3111,
0.3994

■ 58.3730, 0.3119,
0.3688

 61.8302, 0.3125,
0.3415

 65.7798, 0.3129,
0.3176

 70.2400, 0.3132,
0.2968

 74.0846, 0.3148,
0.2841

Harmonies

Analogous

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



47.7442, 0.4063, 0.5231



47.7442, 0.3057, 0.5361



47.7442, 0.2119, 0.4457

Triad

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



47.7442, 0.3057, 0.5361



47.7442, 0.1478, 0.1779



47.7442, 0.5008, 0.3045

Complementary

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



47.7442, 0.3057, 0.5361



22.0826, 0.3129, 0.1793

Split Complementary

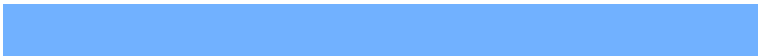
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.7442, 0.4013, 0.2406



47.7442, 0.3057, 0.5361



47.7442, 0.1969, 0.1714

Square

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



47.7442, 0.3057, 0.5361



47.7442, 0.1328, 0.2205



47.7442, 0.2846, 0.1936



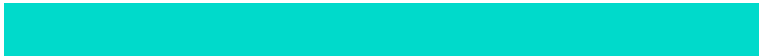
47.7442, 0.5314, 0.3763

Rectangle

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



47.7442, 0.3057, 0.5361



47.7442, 0.1672, 0.3551



47.7442, 0.2846, 0.1936



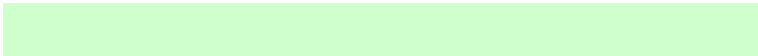
47.7442, 0.4734, 0.2820

Sweetspot

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



47.7462, 0.3057, 0.5361



89.0328, 0.3115, 0.3842



56.3770, 0.4067, 0.4711



18.7790, 0.3112, 0.3931



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.



47.7462, 0.3057, 0.5361



72.9220, 0.3034, 0.5726



48.7498, 0.2738, 0.4469



13.2304, 0.3122, 0.3530



28.1634, 0.3010, 0.5992



1.5835, 0.3044, 0.5965

Inverse Universe

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



22.0826, 0.3129, 0.1793



29.7134, 0.3120, 0.1609



20.4583, 0.4022, 0.2419



11.9818, 0.3131, 0.3060



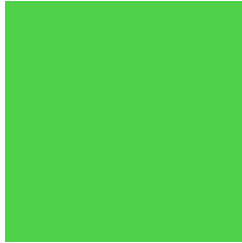
10.4130, 0.3101, 0.1482



0.5905, 0.3122, 0.1494

Previews

White Background



This preview shows how the Yxy color 47.7442, 0.3057, 0.5361 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 47.7442, 0.3057, 0.5361 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 47.7442, 0.3057, 0.5361

Background



This preview shows how black text looks on a background with the Yxy color 47.7442, 0.3057, 0.5361.



This preview shows how white text looks on a background with the Yxy color 47.7442, 0.3057, 0.5361.

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

47.7442, 0.3057, 0.5361

Protanopia

47.0977, 0.4202, 0.4622

Deuteranopia

46.5348, 0.4367, 0.4270



Tritanopia

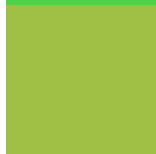
47.6277, 0.2469, 0.3080

Trichromacy



Original Color

47.7442, 0.3057, 0.5361



Protanomaly

45.4999, 0.3706, 0.4928



Deuteranomaly

44.4677, 0.3801, 0.4693



Tritanomaly

47.0558, 0.2699, 0.3898

Monochromacy



Original Color

47.7442, 0.3057, 0.5361



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

36.6526, 0.3106, 0.4098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7442, 0.3057, 0.5361 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(79, 209, 73)` looks like.

```
.text, #text, p{  
    color:rgb(79, 209, 73)  
}
```

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(79, 209, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 209, 73) }
```

Border

The CSS property to change the border of an element to Yxy 47.7442, 0.3057, 0.5361 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(79, 209, 73) }
```

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

```
.border{ border-color:rgb(79, 209, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 209, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 209, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 209, 73);  
box-shadow:4px 4px 4px 4px rgb(79, 209,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7442, 0.3057, 0.5361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 209, 73) }
```

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

```
.background{ background-color: rgb(79, 209,  
73) }
```

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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