

Converting Colors

Yxy(47.2396, 0.3127, 0.5680)

Have a look what the booklet for
Yxy(47.2396, 0.3127, 0.5680)
contains.

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Color

Yxy(47.1846, 0.3125, 0.5679)

Conversions

Conversions Part 1

Format	Color
Hex	49D12A
RGB	73, 209, 42
RGB Percent	29%, 82%, 16%
CMY	0.7139, 0.1804, 0.8349
CMYK	0.65, 0.00, 0.80, 0.18
HSL	109°, 66%, 49%
HSV	109°, 80%, 82%
XYZ	25.9644, 47.1846, 9.9371
YIQ	149.2980, -27.4490, -80.7690

Conversions

Conversions Part 2

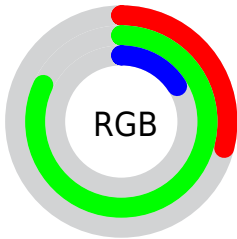
Format	Color
RYB	42, 209, 178
Decimal	4837674
CIELab	74.31, -64.83, 65.66
CIELCh	74, 92.271, 134.637
Yxy	47.1846, 0.3125, 0.5679
Android (android.graphics.Color)	4283027754 (0xFF49D12A)
YUV	149.2980, -52.8979, -66.9133
Hunter-Lab	68.6910, -52.7384, 39.5066

Details

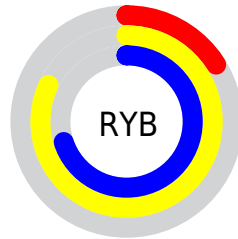
The Yxy color **47.1846, 0.3125, 0.5679** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **15.7480, 0.2840, 0.1455**, and the grayscale version is **30.4224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8826, 0.3209, 0.5139**, and **22.7825, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **46.4974, 0.3091, 0.5852**, and if you desaturate by 10%, it is **48.1360, 0.3152, 0.5435**.

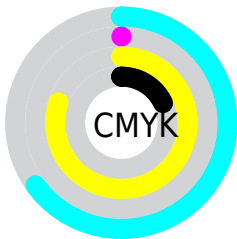
Distribution



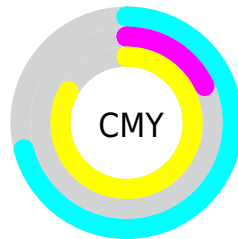
- Red (29%)
- Green (82%)
- Blue (16%)



- Red (16%)
- Yellow (82%)
- Blue (70%)



- Cyan (65%)
- Magenta (0%)
- Yellow (80%)
- Black (18%)




- Cyan (71%)
- Magenta (18%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1846, 0.3125, 0.5679 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 47.1846, 0.3125, 0.5679 by changing the saturation by 10% instead.


 47.1846, 0.3125,
0.5679

 47.1846, 0.3125,
0.5679


375.5509, 0.3230,
0.4412

 33.1816, 0.3058,
0.5993


 85.9891, 0.3192,
0.5214


 22.2656, 0.2947,
0.6384


 111.5594, 0.3209,
0.5039


 14.0522, 0.2762,
0.6871


 141.7543, 0.3219,
0.4893

 8.1570, 0.2467,
0.7533

 176.9581, 0.3225,
0.4768

 4.1956, 0.1897,
0.8103

 217.5553, 0.3228,
0.4660

 1.7835, 0.0000,
1.0000

 263.9302, 0.3230,


 0.4769, 0.0000,


0.4566

1.0000


316.4673, 0.3230,
0.4485


 0.0000, 0.0000,
0.0000


 47.1846, 0.3125,
0.5679


 47.1846, 0.3125,
0.5679


 46.4974, 0.3091,
0.5852

 48.1360, 0.3152,
0.5435


 46.0338, 0.3057,
0.5954

 49.3698, 0.3169,
0.5136

 46.0287, 0.3057,
0.5955

 50.9094, 0.3178,
0.4806

 52.7737, 0.3178,
0.4466

 54.9805, 0.3171,
0.4135

■ 57.5459, 0.3159,
0.3824

■ 60.4852, 0.3144,
0.3540

■ 63.8127, 0.3127,
0.3287

■ 67.5419, 0.3109,
0.3063

Harmonies

Analogous

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



47.1846, 0.4213, 0.5335



47.1846, 0.3125, 0.5679



47.1846, 0.2089, 0.4788

Triad

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



47.1846, 0.3125, 0.5679



47.1846, 0.1302, 0.1665



47.1846, 0.5141, 0.2911

Complementary

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



47.1846, 0.3125, 0.5679



15.7480, 0.2840, 0.1455

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.



47.1846, 0.3962, 0.2248



47.1846, 0.3125, 0.5679



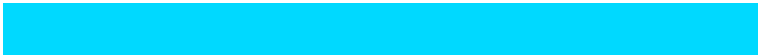
47.1846, 0.1776, 0.1569

Square

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



47.1846, 0.3125, 0.5679



47.1846, 0.1177, 0.2155



47.1846, 0.2676, 0.1774



47.1846, 0.5550, 0.3658

Rectangle

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



47.1846, 0.3125, 0.5679



47.1846, 0.1582, 0.3736



47.1846, 0.2676, 0.1774



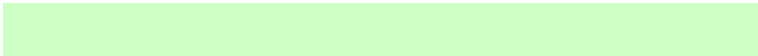
47.1846, 0.4807, 0.2677

Sweetspot

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



47.1866, 0.3125, 0.5679



88.4016, 0.3165, 0.3958



44.6271, 0.4421, 0.4679



18.6167, 0.3169, 0.4071



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.



47.1866, 0.3125, 0.5679



72.3677, 0.3065, 0.5928



46.8739, 0.2842, 0.5183



13.3099, 0.3143, 0.3528



28.4093, 0.3063, 0.5950



1.6208, 0.3181, 0.5856

Inverse Universe

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



15.7480, 0.2840, 0.1455



21.1046, 0.2755, 0.1302



17.7193, 0.3903, 0.2072



11.8940, 0.3109, 0.3059



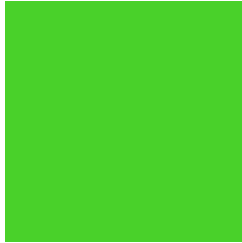
8.1721, 0.2748, 0.1288



0.4863, 0.2838, 0.1337

Previews

White Background



This preview shows how the Yxy color 47.1846, 0.3125, 0.5679 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 47.1846, 0.3125, 0.5679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

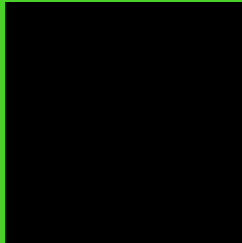
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.1846, 0.3125, 0.5679

Background



This preview shows how black text looks on a background with the Yxy color 47.1846, 0.3125, 0.5679.



This preview shows how white text looks on a background with the Yxy color 47.1846, 0.3125, 0.5679.

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

47.1846, 0.3125, 0.5679

Protanopia

46.4146, 0.4337, 0.4801

Deuteranopia

46.1622, 0.4538, 0.4434



Tritanopia

46.9984, 0.2462, 0.3079

Trichromacy



Original Color

47.1846, 0.3125, 0.5679



Protanomaly

44.9071, 0.3801, 0.5187



Deuteranomaly

43.6129, 0.3937, 0.4936



Tritanomaly

46.0199, 0.2751, 0.4083

Monochromacy



Original Color

47.1846, 0.3125, 0.5679



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

34.3166, 0.3173, 0.4310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1846, 0.3125, 0.5679 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(73, 209, 42)` looks like.

```
.text, #text, p{  
    color:rgb(73, 209, 42)  
}
```

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(73, 209, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 209, 42) }
```

Border

The CSS property to change the border of an element to Yxy 47.1846, 0.3125, 0.5679 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(73, 209, 42) }
```

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

```
.border{ border-color:rgb(73, 209, 42) }
```

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

Here you see how a box with a 4 pixel rgb(73, 209, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 209, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 209, 42);  
box-shadow:4px 4px 4px 4px rgb(73, 209,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1846, 0.3125, 0.5679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 209, 42) }
```

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

```
.background{ background-color: rgb(73, 209,  
42) }
```

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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