

Converting Colors

Yxy(49.2144, 0.3024, 0.5827)

Have a look what the booklet for
Yxy(49.2144, 0.3024, 0.5827)
contains.

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Color

Yxy(49.2145, 0.3024, 0.5823)

Conversions

Conversions Part 1

Format	Color
Hex	2AD723
RGB	42, 215, 35
RGB Percent	16%, 84%, 14%
CMY	0.8354, 0.1568, 0.8626
CMYK	0.80, 0.00, 0.84, 0.16
HSL	118°, 72%, 49%
HSV	118°, 84%, 84%
XYZ	25.5581, 49.2145, 9.7449
YIQ	142.7530, -45.3280, -92.6560

Conversions

Conversions Part 2

Format	Color
RYB	35, 215, 208
Decimal	2807587
CIELab	75.58, -72.04, 68.44
CIELCh	76, 99.366, 136.465
Yxy	49.2145, 0.3024, 0.5823
Android (android.graphics.Color)	4280997667 (0xFF2AD723)
YUV	142.7530, -53.1222, -88.3604
Hunter-Lab	70.1530, -57.7369, 40.8712

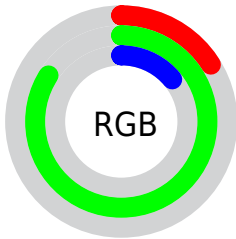
Details

The Yxy color **49.2145, 0.3024, 0.5823** is a dark color, and the websafe version is hex **00CC00**.

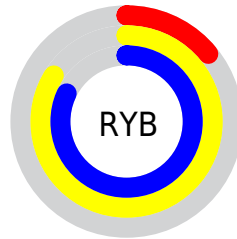
The color can be described as dark washed green. A complement of this color would be **19.5323, 0.3126, 0.1570**, and the grayscale version is **27.5930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3949, 0.3131, 0.5233**, and **24.4537, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.7965, 0.3011, 0.5950**, and if you desaturate by 10%, it is **49.9392, 0.3039, 0.5610**.

Distribution



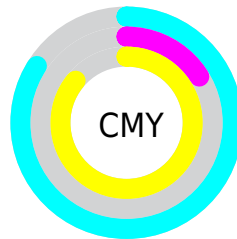
- Red (16%)
- Green (84%)
- Blue (14%)



- Red (14%)
- Yellow (84%)
- Blue (82%)



- Cyan (80%)
- Magenta (0%)
- Yellow (84%)
- Black (16%)





- Cyan (84%)
- Magenta (16%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2145, 0.3024, 0.5823 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 49.2145, 0.3024, 0.5823 by changing the saturation by 10% instead.

 49.2145, 0.3024,
0.5823

 49.2145, 0.3024,
0.5823


383.5861, 0.3189,
0.4482


 34.7897, 0.2940,
0.6153


 89.0100, 0.3115,
0.5332


 23.5009, 0.2808,
0.6560


 115.1494, 0.3140,
0.5148


 14.9638, 0.2598,
0.7067


 145.9624, 0.3157,
0.4992

 8.7940, 0.2270,
0.7730

 181.8335, 0.3169,
0.4859

 4.6071, 0.1690,
0.8310

 223.1470, 0.3177,
0.4745

 2.0186, 0.0000,
1.0000

 270.2874, 0.3183,


 0.6182, 0.0000,


0.4646


1.0000


323.6390, 0.3186,
0.4559


 0.0000, 0.0000,
0.0000

 49.2145, 0.3024,
0.5823


 49.2145, 0.3024,
0.5823


 48.7965, 0.3011,
0.5950


 49.9392, 0.3039,
0.5610


 48.6568, 0.3007,
0.5995


 51.0074, 0.3056,
0.5324

 52.4569, 0.3072,
0.4991

 54.3193, 0.3087,
0.4636

 56.6228, 0.3099,
0.4284

 59.3929, 0.3110,
0.3952

 62.6535, 0.3118,
0.3650

 66.4267, 0.3125,
0.3381

 70.7332, 0.3130,
0.3146

Harmonies

Analogous

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



49.2145, 0.4162, 0.5467



49.2145, 0.3024, 0.5823



49.2145, 0.1964, 0.4797

Triad

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



49.2145, 0.3024, 0.5823



49.2145, 0.1247, 0.1574



49.2145, 0.5313, 0.2922

Complementary

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



49.2145, 0.3024, 0.5823



19.5323, 0.3126, 0.1570

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.



49.2145, 0.4094, 0.2234



49.2145, 0.3024, 0.5823



49.2145, 0.1755, 0.1502

Square

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



49.2145, 0.3024, 0.5823



49.2145, 0.1096, 0.2041



49.2145, 0.2720, 0.1731



49.2145, 0.5665, 0.3689

Rectangle

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



49.2145, 0.3024, 0.5823



49.2145, 0.1464, 0.3652



49.2145, 0.2720, 0.1731



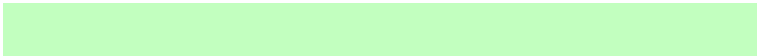
49.2145, 0.4978, 0.2681

Sweetspot

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



49.2165, 0.3024, 0.5823



86.7228, 0.3108, 0.4002



58.7153, 0.4222, 0.4918



18.2438, 0.3105, 0.4118



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.



49.2165, 0.3024, 0.5823



71.5833, 0.3005, 0.5996



50.2230, 0.2730, 0.4871



13.9185, 0.3122, 0.3531



29.1116, 0.3009, 0.5993



1.7641, 0.3038, 0.5970

Inverse Universe

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



19.5323, 0.3126, 0.1570



26.6658, 0.3111, 0.1488



17.3741, 0.4421, 0.2333



12.6072, 0.3132, 0.3060



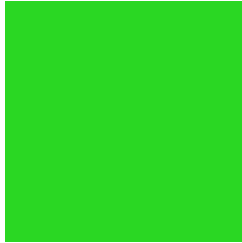
10.8563, 0.3114, 0.1489



0.6625, 0.3131, 0.1499

Previews

White Background



This preview shows how the Yxy color 49.2145, 0.3024, 0.5823 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 49.2145, 0.3024, 0.5823 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 49.2145, 0.3024, 0.5823

Background



This preview shows how black text looks on a background with the Yxy color 49.2145, 0.3024, 0.5823.



This preview shows how white text looks on a background with the Yxy color 49.2145, 0.3024, 0.5823.

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

49.2145, 0.3024, 0.5823

Protanopia

48.1870, 0.4365, 0.4829

Deuteranopia

47.9443, 0.4560, 0.4460



Tritanopia

48.8078, 0.2386, 0.3066

Trichromacy



Original Color

49.2145, 0.3024, 0.5823



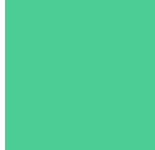
Protanomaly

45.8695, 0.3724, 0.5306



Deuteranomaly

44.7300, 0.3833, 0.5063



Tritanomaly

47.4424, 0.2661, 0.4153

Monochromacy



Original Color

49.2145, 0.3024, 0.5823



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

32.4396, 0.3090, 0.4429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2145, 0.3024, 0.5823 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(42, 215, 35)` looks like.

```
.text, #text, p{  
    color:rgb(42, 215, 35)  
}
```

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(42, 215, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 215, 35) }
```

Border

The CSS property to change the border of an element to Yxy 49.2145, 0.3024, 0.5823 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(42, 215, 35) }
```

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

```
.border{ border-color:rgb(42, 215, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 215, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 215, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 215, 35);  
box-shadow:4px 4px 4px 4px rgb(42, 215,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2145, 0.3024, 0.5823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 215, 35) }
```

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

```
.background{ background-color: rgb(42, 215,  
35) }
```

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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