

Converting Colors

$Y_{xy}(48.9599, 0.2975, 0.5625)$

Have a look what the booklet for
Yxy(48.9599, 0.2975, 0.5625)
contains.

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Color

Yxy(48.9668, 0.2975, 0.5621)

Conversions

Conversions Part 1

Format	Color
Hex	2DD63B
RGB	45, 214, 59
RGB Percent	18%, 84%, 23%
CMY	0.8239, 0.1608, 0.7684
CMYK	0.79, 0.00, 0.72, 0.16
HSL	125°, 67%, 51%
HSV	125°, 79%, 84%
XYZ	25.9164, 48.9668, 12.2308
YIQ	145.7990, -50.9690, -84.0330

Conversions

Conversions Part 2

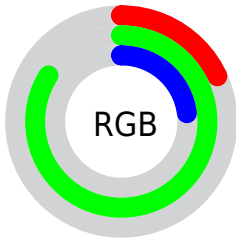
Format	Color
RYB	45, 201, 214
Decimal	3003963
CIELab	75.43, -69.87, 61.14
CIELCh	75, 92.843, 138.813
Yxy	48.9668, 0.2975, 0.5621
Android (android.graphics.Color)	4281194043 (0xFF2DD63B)
YUV	145.7990, -42.7919, -88.4007
Hunter-Lab	69.9763, -56.3492, 38.6204

Details

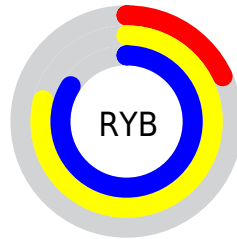
The Yxy color **48.9668, 0.2975, 0.5621** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **20.3307, 0.3374, 0.1755**, and the grayscale version is **28.8452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7509, 0.3067, 0.5052**, and **24.4537, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.4343, 0.2978, 0.5820**, and if you desaturate by 10%, it is **49.8254, 0.2979, 0.5356**.

Distribution



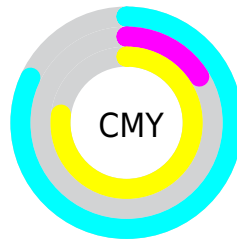
- Red (18%)
- Green (84%)
- Blue (23%)



- Red (18%)
- Yellow (79%)
- Blue (84%)



- Cyan (79%)
- Magenta (0%)
- Yellow (72%)
- Black (16%)




- Cyan (82%)
- Magenta (16%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9668, 0.2975, 0.5621 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 48.9668, 0.2975, 0.5621 by changing the saturation by 10% instead.


 48.9668, 0.2975,
0.5621


 48.9668, 0.2975,
0.5621


382.6116, 0.3142,
0.4377

 34.5931, 0.2900,
0.5937


 88.6421, 0.3060,
0.5160

 23.3496, 0.2783,
0.6336


 114.7126, 0.3085,
0.4988


 14.8519, 0.2594,
0.6843


 145.4508, 0.3102,
0.4844

 8.7155, 0.2339,
0.7661

 181.2412, 0.3115,
0.4722

 4.5561, 0.1766,
0.8234

 222.4680, 0.3125,
0.4617

 1.9892, 0.0000,
1.0000

269.5158, 0.3132,

 0.6012, 0.0000,

0.4526

1.0000

322.7688, 0.3137,
0.4447

■ 0.0000, 0.0000,
0.0000

■ 48.9668, 0.2975,
0.5621

■ 48.9668, 0.2975,
0.5621

■ 48.4343, 0.2978,
0.5820

■ 49.8254, 0.2979,
0.5356

■ 48.1601, 0.2986,
0.5943


■ 51.0444, 0.2991,
0.5044


■ 48.1399, 0.2987,
0.5952


■ 52.6604, 0.3009,
0.4711


■ 54.7037, 0.3031,
0.4376

■ 57.2019, 0.3055,
0.4057

 60.1800, 0.3080,
0.3763

 63.6615, 0.3106,
0.3500

 67.6681, 0.3129,
0.3269

 72.2204, 0.3152,
0.3067

Harmonies

Analogous

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



48.9668, 0.4066, 0.5422



48.9668, 0.2975, 0.5621



48.9668, 0.1974, 0.4569

Triad

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



48.9668, 0.2975, 0.5621



48.9668, 0.1354, 0.1639



48.9668, 0.5241, 0.3014

Complementary

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



48.9668, 0.2975, 0.5621



20.3307, 0.3374, 0.1755

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.



48.9668, 0.4144, 0.2337



48.9668, 0.2975, 0.5621



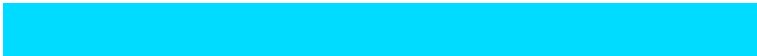
48.9668, 0.1880, 0.1588

Square

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



48.9668, 0.2975, 0.5621



48.9668, 0.1183, 0.2063



48.9668, 0.2840, 0.1831



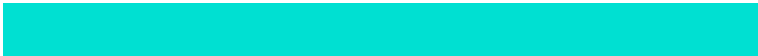
48.9668, 0.5522, 0.3769

Rectangle

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



48.9668, 0.2975, 0.5621



48.9668, 0.1511, 0.3521



48.9668, 0.2840, 0.1831



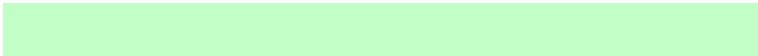
48.9668, 0.4946, 0.2777

Sweetspot

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



48.9688, 0.2975, 0.5621



87.0827, 0.3067, 0.3913



60.5530, 0.4010, 0.5026



18.3096, 0.3058, 0.4021



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.



48.9688, 0.2975, 0.5621



71.7136, 0.2984, 0.5913



50.6523, 0.2616, 0.4398



13.9127, 0.3105, 0.3510



29.1017, 0.2983, 0.5940



1.7613, 0.2935, 0.5766

Inverse Universe

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



20.3307, 0.3374, 0.1755



27.5240, 0.3423, 0.1672



17.4135, 0.4729, 0.2591



12.6139, 0.3150, 0.3079



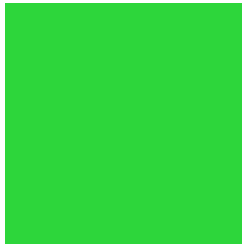
11.0602, 0.3430, 0.1663



0.6725, 0.3388, 0.1640

Previews

White Background



This preview shows how the Yxy color 48.9668, 0.2975, 0.5621 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 48.9668, 0.2975, 0.5621 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

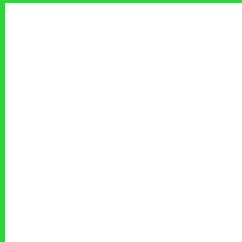
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9668, 0.2975, 0.5621

Background



This preview shows how black text looks on a background with the Yxy color 48.9668, 0.2975, 0.5621.



This preview shows how white text looks on a background with the Yxy color 48.9668, 0.2975, 0.5621.

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

48.9668, 0.2975, 0.5621

Protanopia

47.7854, 0.4290, 0.4716

Deuteranopia

47.8124, 0.4451, 0.4354



Tritanopia

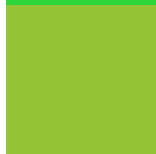
48.7532, 0.2382, 0.3066

Trichromacy



Original Color

48.9668, 0.2975, 0.5621



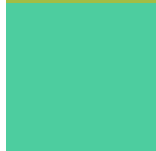
Protanomaly

45.5925, 0.3657, 0.5148



Deuteranomaly

44.5062, 0.3751, 0.4886



Tritanomaly

47.7436, 0.2612, 0.4003

Monochromacy



Original Color

48.9668, 0.2975, 0.5621



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

33.5919, 0.3040, 0.4271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9668, 0.2975, 0.5621 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(45, 214, 59)` looks like.

```
.text, #text, p{  
    color:rgb(45, 214, 59)  
}
```

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(45, 214, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 214, 59) }
```

Border

The CSS property to change the border of an element to Yxy 48.9668, 0.2975, 0.5621 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(45, 214, 59) }
```

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

```
.border{ border-color:rgb(45, 214, 59) }
```

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

Here you see how a box with a 4 pixel rgb(45, 214, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 214, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 214, 59);  
box-shadow:4px 4px 4px 4px rgb(45, 214,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9668, 0.2975, 0.5621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 214, 59) }
```

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

```
.background{ background-color: rgb(45, 214,  
59) }
```

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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