

Converting Colors

$Y_{xy}(49.1010, 0.2966, 0.5590)$

Have a look what the booklet for
Yxy(49.1010, 0.2966, 0.5590)
contains.

Yxy(48.9988, 0.2966, 0.5591)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.9988, 0.2966, 0.5591)

Conversions

Conversions Part 1

Format	Color
Hex	2DD63E
RGB	45, 214, 62
RGB Percent	18%, 84%, 24%
CMY	0.8241, 0.1607, 0.7568
CMYK	0.79, 0.00, 0.71, 0.16
HSL	126°, 67%, 51%
HSV	126°, 79%, 84%
XYZ	25.9936, 48.9988, 12.6463
YIQ	146.1410, -51.9320, -83.1000

Conversions

Conversions Part 2

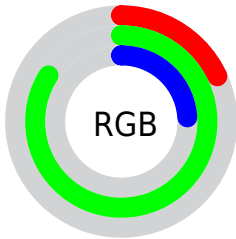
Format	Color
RYB	45, 199, 214
Decimal	3003966
CIELab	75.45, -69.64, 60.09
CIELCh	75, 91.979, 139.207
Yxy	48.9988, 0.2966, 0.5591
Android (android.graphics.Color)	4281194046 (0xFF2DD63E)
YUV	146.1410, -41.4815, -88.7007
Hunter-Lab	69.9991, -56.2139, 38.2879

Details

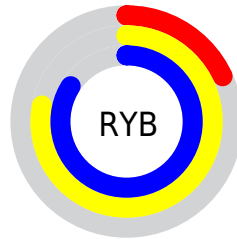
The Yxy color **48.9988, 0.2966, 0.5591** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **20.1878, 0.3412, 0.1779**, and the grayscale version is **28.9791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8211, 0.3055, 0.5018**, and **24.4537, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.4587, 0.2971, 0.5796**, and if you desaturate by 10%, it is **49.8632, 0.2969, 0.5324**.

Distribution



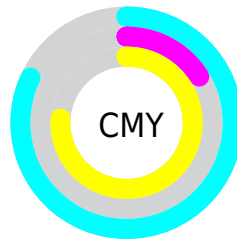
- Red (18%)
- Green (84%)
- Blue (24%)



- Red (18%)
- Yellow (78%)
- Blue (84%)



- Cyan (79%)
- Magenta (0%)
- Yellow (71%)
- Black (16%)





- Cyan (82%)
- Magenta (16%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9988, 0.2966, 0.5591 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 48.9988, 0.2966, 0.5591 by changing the saturation by 10% instead.

 48.9988, 0.2966,
0.5591


 48.9988, 0.2966,
0.5591

382.7376, 0.3134,
0.4362


 34.6185, 0.2891,
0.5905


 88.6897, 0.3051,
0.5134

 23.3692, 0.2776,
0.6302


 114.7691, 0.3075,
0.4965


 14.8663, 0.2591,
0.6808


 145.5169, 0.3093,
0.4823

 8.7256, 0.2333,
0.7604

 181.3177, 0.3106,
0.4702

 4.5627, 0.1776,
0.8224

 222.5558, 0.3116,
0.4599

 1.9930, 0.0000,
1.0000

269.6155, 0.3124,


 0.6034, 0.0000,


0.4509

1.0000

322.8813, 0.3129,
0.4431


 0.0000, 0.0000,
0.0000

 48.9988, 0.2966,
0.5591


 48.9988, 0.2966,
0.5591


 48.4587, 0.2971,
0.5796

 49.8632, 0.2969,
0.5324


 48.1756, 0.2982,
0.5928


 51.0856, 0.2980,
0.5014

 48.1551, 0.2982,
0.5937


 52.7020, 0.2998,
0.4684


 54.7426, 0.3022,
0.4355

 57.2344, 0.3048,
0.4042

 60.2023, 0.3076,
0.3755

 63.6694, 0.3103,
0.3497

 67.6571, 0.3130,
0.3270

 72.1858, 0.3155,
0.3072

Harmonies

Analogous

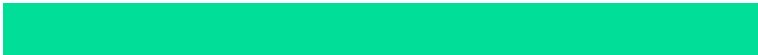
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.9988, 0.4050, 0.5415



48.9988, 0.2966, 0.5591



48.9988, 0.1974, 0.4536

Triad

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



48.9988, 0.2966, 0.5591



48.9988, 0.1370, 0.1648



48.9988, 0.5231, 0.3028

Complementary

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



48.9988, 0.2966, 0.5591



20.1878, 0.3412, 0.1779

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.



48.9988, 0.4152, 0.2352



48.9988, 0.2966, 0.5591



48.9988, 0.1899, 0.1600

Square

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



48.9988, 0.2966, 0.5591



48.9988, 0.1195, 0.2066



48.9988, 0.2858, 0.1846



48.9988, 0.5502, 0.3782

Rectangle

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



48.9988, 0.2966, 0.5591



48.9988, 0.1517, 0.3501



48.9988, 0.2858, 0.1846



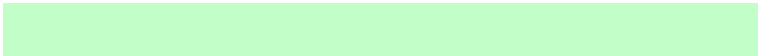
48.9988, 0.4942, 0.2792

Sweetspot

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



49.0008, 0.2966, 0.5591



87.1334, 0.3061, 0.3901



60.1697, 0.3987, 0.5043



18.3214, 0.3051, 0.4006



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.



49.0008, 0.2966, 0.5591



71.7393, 0.2979, 0.5894



50.7391, 0.2602, 0.4351



13.9162, 0.3102, 0.3506



29.1107, 0.2979, 0.5924



1.7630, 0.2922, 0.5719

Inverse Universe

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



20.1878, 0.3412, 0.1779



27.2787, 0.3472, 0.1700



17.3447, 0.4782, 0.2623



12.6100, 0.3153, 0.3083



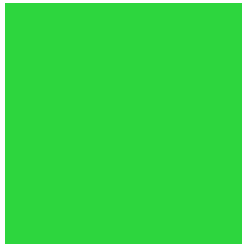
10.9582, 0.3481, 0.1691



0.6674, 0.3428, 0.1662

Previews

White Background



This preview shows how the Yxy color 48.9988, 0.2966, 0.5591 looks on a white background.

Color Contrast Check

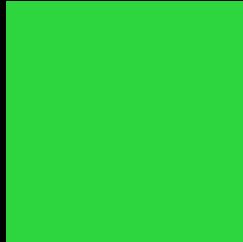
Large Text (above 18pt) WCAG AA × Fail

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 48.9988, 0.2966, 0.5591 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

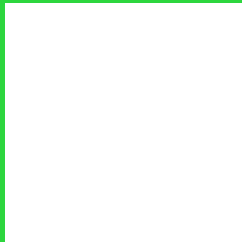
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9988, 0.2966, 0.5591

Background



This preview shows how black text looks on a background with the Yxy color 48.9988, 0.2966, 0.5591.

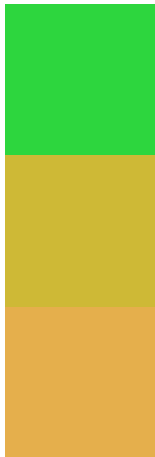


This preview shows how white text looks on a background with the Yxy color 48.9988, 0.2966, 0.5591.

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

48.9988, 0.2966, 0.5591

Protanopia

48.0861, 0.4260, 0.4713

Deuteranopia

47.8398, 0.4439, 0.4338



Tritanopia

48.7532, 0.2382, 0.3066

Trichromacy



Original Color

48.9988, 0.2966, 0.5591



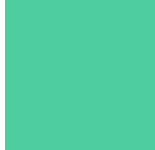
Protanomaly

45.9783, 0.3632, 0.5136



Deuteranomaly

44.5315, 0.3741, 0.4866



Tritanomaly

47.7785, 0.2606, 0.3987

Monochromacy



Original Color

48.9988, 0.2966, 0.5591



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

33.6148, 0.3033, 0.4254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9988, 0.2966, 0.5591 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, 62)` looks like.

```
.text, #text, p{  
    color:rgb(45, 214, 62)  
}
```

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, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 214, 62) }
```

Border

The CSS property to change the border of an element to Yxy 48.9988, 0.2966, 0.5591 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, 62) }
```

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

```
.border{ border-color:rgb(45, 214, 62) }
```

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, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 214, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 214, 62);  
box-shadow:4px 4px 4px 4px rgb(45, 214,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9988, 0.2966, 0.5591 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, 62) }
```

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

```
.background{ background-color: rgb(45, 214,  
62) }
```

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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