

Converting Colors

$Y_{xy}(48.5703, 0.2945, 0.5626)$

Have a look what the booklet for
Yxy(48.5703, 0.2945, 0.5626)
contains.

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Color

Yxy(48.7595, 0.2946, 0.5629)

Conversions

Conversions Part 1

Format	Color
Hex	22D63C
RGB	34, 214, 60
RGB Percent	13%, 84%, 24%
CMY	0.8672, 0.1608, 0.7646
CMYK	0.84, 0.00, 0.72, 0.16
HSL	129°, 73%, 49%
HSV	129°, 84%, 84%
XYZ	25.5188, 48.7595, 12.3436
YIQ	142.6240, -57.8460, -86.0540

Conversions

Conversions Part 2

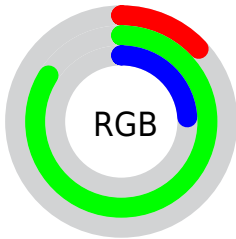
Format	Color
RYB	34, 191, 214
Decimal	2283068
CIELab	75.30, -70.98, 60.62
CIELCh	75, 93.344, 139.501
Yxy	48.7595, 0.2946, 0.5629
Android (android.graphics.Color)	4280473148 (0xFF22D63C)
YUV	142.6240, -40.7336, -95.2632
Hunter-Lab	69.8280, -56.9657, 38.3988

Details

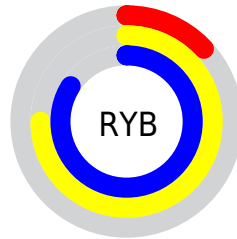
The Yxy color **48.7595, 0.2946, 0.5629** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **19.0580, 0.3537, 0.1804**, and the grayscale version is **27.4786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4258, 0.3040, 0.5053**, and **24.4537, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.3441, 0.2960, 0.5813**, and if you desaturate by 10%, it is **49.4716, 0.2941, 0.5384**.

Distribution



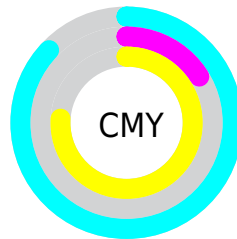
- Red (13%)
- Green (84%)
- Blue (24%)



- Red (13%)
- Yellow (75%)
- Blue (84%)



- Cyan (84%)
- Magenta (0%)
- Yellow (72%)
- Black (16%)





- Cyan (87%)
- Magenta (16%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7595, 0.2946, 0.5629 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 48.7595, 0.2946, 0.5629 by changing the saturation by 10% instead.


 48.7595, 0.2946,
0.5629


 48.7595, 0.2946,
0.5629

381.7948, 0.3127,
0.4377

 34.4287, 0.2867,
0.5949


 88.3342, 0.3036,
0.5164


 23.2232, 0.2746,
0.6353


 114.3468, 0.3062,
0.4991


 14.7584, 0.2553,
0.6867


 145.0223, 0.3082,
0.4847

 8.6500, 0.2290,
0.7695

 180.7449, 0.3096,
0.4724

 4.5136, 0.1712,
0.8288

 221.8990, 0.3107,
0.4619

 1.9648, 0.0000,
1.0000

268.8691, 0.3115,

 0.5869, 0.0000,

0.4527

1.0000

322.0396, 0.3122,
0.4448

■ 0.0000, 0.0000,
0.0000

■ 48.7595, 0.2946,
0.5629

■ 48.7595, 0.2946,
0.5629

■ 48.3441, 0.2960,
0.5813

■ 49.4716, 0.2941,
0.5384

■ 48.1966, 0.2970,
0.5891

■ 50.5169, 0.2947,
0.5094

■ 51.9331, 0.2962,
0.4781

■ 53.7511, 0.2986,
0.4462

■ 55.9986, 0.3015,
0.4155

■ 58.7007, 0.3047,
0.3868

■ 61.8808, 0.3080,
0.3609

■ 65.5604, 0.3114,
0.3378

■ 69.7599, 0.3146,
0.3176

Harmonies

Analogous

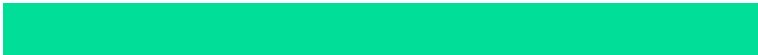
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



48.7595, 0.4043, 0.5448



48.7595, 0.2946, 0.5629



48.7595, 0.1947, 0.4543

Triad

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



48.7595, 0.2946, 0.5629



48.7595, 0.1353, 0.1625



48.7595, 0.5272, 0.3028

Complementary

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



48.7595, 0.2946, 0.5629



19.0580, 0.3537, 0.1804

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.



48.7595, 0.4181, 0.2345



48.7595, 0.2946, 0.5629



48.7595, 0.1890, 0.1582

Square

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



48.7595, 0.2946, 0.5629



48.7595, 0.1174, 0.2040



48.7595, 0.2865, 0.1833



48.7595, 0.5531, 0.3786

Rectangle

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



48.7595, 0.2946, 0.5629



48.7595, 0.1490, 0.3487



48.7595, 0.2865, 0.1833



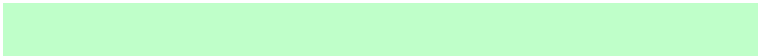
48.7595, 0.4981, 0.2789

Sweetspot

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



48.7615, 0.2946, 0.5629



86.8227, 0.3043, 0.3898



59.1577, 0.3954, 0.5133



18.2671, 0.3032, 0.3997



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.



48.7615, 0.2946, 0.5629



71.6537, 0.2972, 0.5901



50.5717, 0.2573, 0.4330



13.9251, 0.3096, 0.3495



29.1385, 0.2965, 0.5874



1.7671, 0.2891, 0.5606

Inverse Universe

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



19.0580, 0.3537, 0.1804



26.3205, 0.3623, 0.1769



16.3521, 0.5055, 0.2702



12.6003, 0.3160, 0.3093



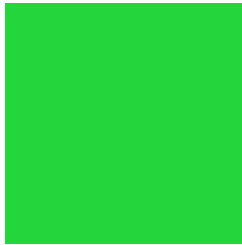
10.7177, 0.3611, 0.1763



0.6551, 0.3531, 0.1719

Previews

White Background



This preview shows how the Yxy color 48.7595, 0.2946, 0.5629 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 48.7595, 0.2946, 0.5629 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 48.7595, 0.2946, 0.5629

Background



This preview shows how black text looks on a background with the Yxy color 48.7595, 0.2946, 0.5629.



This preview shows how white text looks on a background with the Yxy color 48.7595, 0.2946, 0.5629.

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

48.7595, 0.2946, 0.5629

Protanopia

47.6507, 0.4277, 0.4716

Deuteranopia

47.6619, 0.4436, 0.4351



Tritanopia

48.5417, 0.2366, 0.3065

Trichromacy



Original Color

48.7595, 0.2946, 0.5629



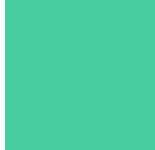
Protanomaly

45.1457, 0.3610, 0.5169



Deuteranomaly

44.0055, 0.3700, 0.4903



Tritanomaly

47.5054, 0.2589, 0.4007

Monochromacy



Original Color

48.7595, 0.2946, 0.5629



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

32.4518, 0.2999, 0.4276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7595, 0.2946, 0.5629 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(34, 214, 60)` looks like.

```
.text, #text, p{  
    color:rgb(34, 214, 60)  
}
```

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(34, 214, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 214, 60) }
```

Border

The CSS property to change the border of an element to Yxy 48.7595, 0.2946, 0.5629 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(34, 214, 60) }
```

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

```
.border{ border-color:rgb(34, 214, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 214, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 214, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 214, 60);  
box-shadow:4px 4px 4px 4px rgb(34, 214,  
60) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7595, 0.2946, 0.5629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 214, 60) }
```

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

```
.background{ background-color: rgb(34, 214,  
60) }
```

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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