

Converting Colors

$Y_{xy}(48.6226, 0.3011, 0.5774)$

Have a look what the booklet for
Yxy(48.6226, 0.3011, 0.5774)
contains.

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Color

Yxy(48.7525, 0.3011, 0.5774)

Conversions

Conversions Part 1

Format	Color
Hex	2AD62A
RGB	42, 214, 42
RGB Percent	16%, 84%, 16%
CMY	0.8347, 0.1608, 0.8353
CMYK	0.80, 0.00, 0.80, 0.16
HSL	120°, 68%, 50%
HSV	120°, 80%, 84%
XYZ	25.4232, 48.7525, 10.2588
YIQ	142.9640, -47.3000, -89.9560

Conversions

Conversions Part 2

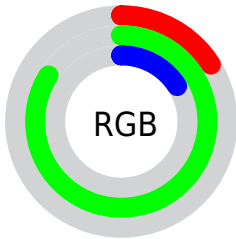
Format	Color
RYB	42, 214, 214
Decimal	2807338
CIELab	75.30, -71.37, 66.40
CIELCh	75, 97.479, 137.063
Yxy	48.7525, 0.3011, 0.5774
Android (android.graphics.Color)	4280997418 (0xFF2AD62A)
YUV	142.9640, -49.7753, -88.5454
Hunter-Lab	69.8230, -57.1966, 40.1649

Details

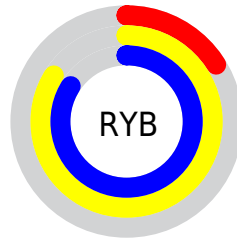
The Yxy color **48.7525, 0.3011, 0.5774** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **20.7831, 0.3203, 0.1637**, and the grayscale version is **27.6863, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4012, 0.3112, 0.5195**, and **24.4537, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.3017, 0.3004, 0.5926**, and if you desaturate by 10%, it is **49.5295, 0.3022, 0.5536**.

Distribution



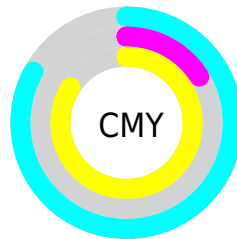
- Red (16%)
- Green (84%)
- Blue (16%)



- Red (16%)
- Yellow (84%)
- Blue (84%)



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





- Cyan (83%)
- Magenta (16%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7525, 0.3011, 0.5774 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 48.7525, 0.3011, 0.5774 by changing the saturation by 10% instead.


 48.7525, 0.3011,
0.5774


 48.7525, 0.3011,
0.5774


381.7672, 0.3176,
0.4454

 34.4232, 0.2929,
0.6102


 88.3238, 0.3101,
0.5289

 23.2189, 0.2801,
0.6510

 114.3345, 0.3125,
0.5107


 14.7552, 0.2594,
0.7017


 145.0078, 0.3142,
0.4954

 8.6478, 0.2279,
0.7721

 180.7281, 0.3155,
0.4824

 4.5122, 0.1697,
0.8303

 221.8798, 0.3163,
0.4712

 1.9640, 0.0000,
1.0000


 268.8473, 0.3169,


 0.5864, 0.0000,


0.4614


1.0000


322.0149, 0.3173,
0.4529


 0.0000, 0.0000,
0.0000


 48.7525, 0.3011,
0.5774


 48.7525, 0.3011,
0.5774


 48.3017, 0.3004,
0.5926


 49.5295, 0.3022,
0.5536

 48.0935, 0.3000,
0.6000

 50.6714, 0.3037,
0.5231

 52.2183, 0.3053,
0.4885

 54.2030, 0.3070,
0.4525

 56.6555, 0.3086,
0.4176

■ 59.6027, 0.3101,
0.3850

■ 63.0697, 0.3115,
0.3557

■ 67.0799, 0.3127,
0.3299

■ 71.6552, 0.3137,
0.3075

Harmonies

Analogous

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



48.7525, 0.4137, 0.5459



48.7525, 0.3011, 0.5774



48.7525, 0.1966, 0.4738

Triad

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



48.7525, 0.3011, 0.5774



48.7525, 0.1273, 0.1590



48.7525, 0.5297, 0.2946

Complementary

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



48.7525, 0.3011, 0.5774



20.7831, 0.3203, 0.1637

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.



48.7525, 0.4109, 0.2259



48.7525, 0.3011, 0.5774



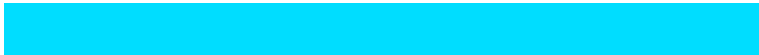
48.7525, 0.1787, 0.1523

Square

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



48.7525, 0.3011, 0.5774



48.7525, 0.1117, 0.2046



48.7525, 0.2751, 0.1755



48.7525, 0.5630, 0.3710

Rectangle

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



48.7525, 0.3011, 0.5774



48.7525, 0.1475, 0.3617



48.7525, 0.2751, 0.1755



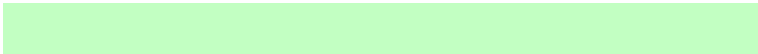
48.7525, 0.4972, 0.2705

Sweetspot

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



48.7545, 0.3011, 0.5774



86.8561, 0.3095, 0.3972



61.1168, 0.4156, 0.4934



18.2571, 0.3090, 0.4090



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.



48.7545, 0.3011, 0.5774



71.6096, 0.3001, 0.5979



50.0681, 0.2699, 0.4707



13.8965, 0.3116, 0.3531



29.0702, 0.3000, 0.6000



1.7536, 0.3001, 0.5999

Inverse Universe

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



20.7831, 0.3203, 0.1637



28.6605, 0.3207, 0.1549



17.5858, 0.4452, 0.2398



12.6321, 0.3138, 0.3060



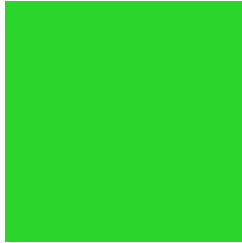
11.5588, 0.3207, 0.1540



0.6974, 0.3207, 0.1541

Previews

White Background



This preview shows how the Yxy color 48.7525, 0.3011, 0.5774 looks on a white background.

Color Contrast Check

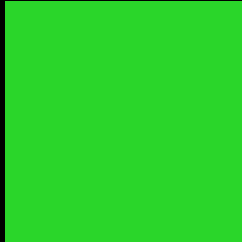
Large Text (above 18pt) WCAG AA × Fail

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 48.7525, 0.3011, 0.5774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

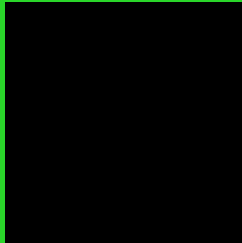
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7525, 0.3011, 0.5774

Background



This preview shows how black text looks on a background with the Yxy color 48.7525, 0.3011, 0.5774.



This preview shows how white text looks on a background with the Yxy color 48.7525, 0.3011, 0.5774.

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

48.7525, 0.3011, 0.5774

Protanopia

47.6619, 0.4348, 0.4802

Deuteranopia

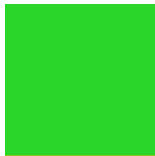
47.4320, 0.4541, 0.4431



Tritanopia

48.2399, 0.2384, 0.3065

Trichromacy



Original Color

48.7525, 0.3011, 0.5774



Protanomaly

45.3668, 0.3704, 0.5271



Deuteranomaly

44.3429, 0.3820, 0.5018



Tritanomaly

46.9892, 0.2643, 0.4107

Monochromacy



Original Color

48.7525, 0.3011, 0.5774



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

32.4807, 0.3075, 0.4394

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7525, 0.3011, 0.5774 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, 214, 42)` looks like.

```
.text, #text, p{  
    color:rgb(42, 214, 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(42, 214, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 214, 42) }
```

Border

The CSS property to change the border of an element to Yxy 48.7525, 0.3011, 0.5774 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, 214, 42) }
```

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

```
.border{ border-color:rgb(42, 214, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 214, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 214, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 214, 42);  
box-shadow:4px 4px 4px 4px rgb(42, 214,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7525, 0.3011, 0.5774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 214, 42) }
```

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

```
.background{ background-color: rgb(42, 214,  
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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