

Converting Colors

$Y_{xy}(47.4799, 0.3023, 0.5873)$

Have a look what the booklet for
Yxy(47.4799, 0.3023, 0.5873)
contains.

Yxy(47.5412, 0.3023, 0.5874)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.5412, 0.3023, 0.5874)

Conversions

Conversions Part 1

Format	Color
Hex	24D41B
RGB	36, 212, 27
RGB Percent	14%, 83%, 11%
CMY	0.8592, 0.1686, 0.8939
CMYK	0.83, 0.00, 0.87, 0.17
HSL	117°, 77%, 47%
HSV	117°, 87%, 83%
XYZ	24.4666, 47.5412, 8.9271
YIQ	138.2860, -45.5110, -94.8470

Conversions

Conversions Part 2

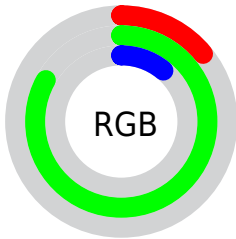
Format	Color
RYB	27, 212, 203
Decimal	2413595
CIELab	74.53, -72.17, 69.21
CIELCh	75, 99.992, 136.200
Yxy	47.5412, 0.3023, 0.5874
Android (android.graphics.Color)	4280603675 (0xFF24D41B)
YUV	138.2860, -54.8640, -89.7048
Hunter-Lab	68.9501, -57.3228, 40.5887

Details

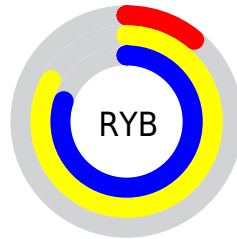
The Yxy color **47.5412, 0.3023, 0.5874** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **18.2628, 0.3103, 0.1534**, and the grayscale version is **25.7494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0922, 0.3134, 0.5290**, and **23.7769, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **47.2110, 0.3010, 0.5974**, and if you desaturate by 10%, it is **48.1493, 0.3039, 0.5689**.

Distribution



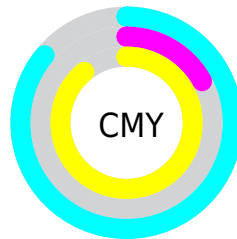
- Red (14%)
- Green (83%)
- Blue (11%)



- Red (11%)
- Yellow (83%)
- Blue (80%)



- Cyan (83%)
- Magenta (0%)
- Yellow (87%)
- Black (17%)




- Cyan (86%)
- Magenta (17%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5412, 0.3023, 0.5874 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 47.5412, 0.3023, 0.5874 by changing the saturation by 10% instead.


 47.5412, 0.3023,
0.5874


 47.5412, 0.3023,
0.5874


376.9707, 0.3195,
0.4501


 33.4637, 0.2934,
0.6212


 86.5209, 0.3119,
0.5371


 22.4819, 0.2794,
0.6628


 112.1919, 0.3144,
0.5182


 14.2114, 0.2575,
0.7158


 142.4962, 0.3162,
0.5022

 8.2679, 0.2213,
0.7787

 177.8181, 0.3174,
0.4886

 4.2668, 0.1612,
0.8388

 218.5422, 0.3183,
0.4769

 1.8239, 0.0000,
1.0000

 265.0527, 0.3188,

 0.5020, 0.0000,

0.4668

1.0000

317.7340, 0.3192,
0.4579

■ 0.0000, 0.0000,
0.0000

■ 47.5412, 0.3023,
0.5874

■ 47.5412, 0.3023,
0.5874

■ 47.2110, 0.3010,
0.5974

■ 48.1493, 0.3039,
0.5689

■ 47.1559, 0.3009,
0.5993

■ 49.0737, 0.3056,
0.5427

■ 50.3521, 0.3073,
0.5107

■ 52.0152, 0.3087,
0.4758

■ 54.0907, 0.3100,
0.4404

■ 56.6036, 0.3110,
0.4065

■ 59.5769, 0.3118,
0.3752

■ 63.0320, 0.3124,
0.3472

■ 66.9889, 0.3128,
0.3225

Harmonies

Analogous

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



47.5412, 0.4174, 0.5486



47.5412, 0.3023, 0.5874



47.5412, 0.1951, 0.4843

Triad

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



47.5412, 0.3023, 0.5874



47.5412, 0.1223, 0.1554



47.5412, 0.5342, 0.2905

Complementary

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



47.5412, 0.3023, 0.5874



18.2628, 0.3103, 0.1534

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.



47.5412, 0.4096, 0.2213



47.5412, 0.3023, 0.5874



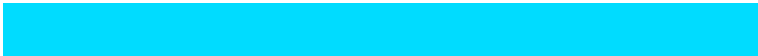
47.5412, 0.1730, 0.1480

Square

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



47.5412, 0.3023, 0.5874



47.5412, 0.1072, 0.2027



47.5412, 0.2701, 0.1708



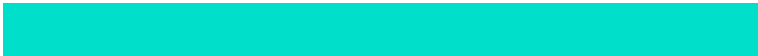
47.5412, 0.5702, 0.3676

Rectangle

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



47.5412, 0.3023, 0.5874



47.5412, 0.1444, 0.3671



47.5412, 0.2701, 0.1708



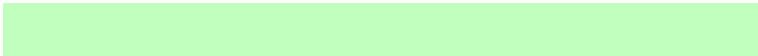
47.5412, 0.4999, 0.2663

Sweetspot

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



47.5432, 0.3023, 0.5874



86.3698, 0.3111, 0.4034



56.6763, 0.4240, 0.4939



18.1791, 0.3108, 0.4149



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.



47.5432, 0.3023, 0.5874



71.5994, 0.3007, 0.5995



48.4566, 0.2736, 0.4942



13.9239, 0.3123, 0.3530



29.1218, 0.3011, 0.5991



1.7667, 0.3046, 0.5963

Inverse Universe

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



18.2628, 0.3103, 0.1534



26.2446, 0.3088, 0.1475



16.3644, 0.4496, 0.2336



12.6011, 0.3130, 0.3060



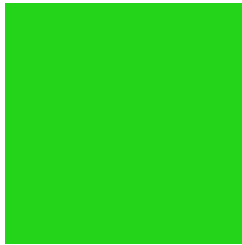
10.6891, 0.3091, 0.1476



0.6542, 0.3112, 0.1488

Previews

White Background



This preview shows how the Yxy color 47.5412, 0.3023, 0.5874 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 47.5412, 0.3023, 0.5874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

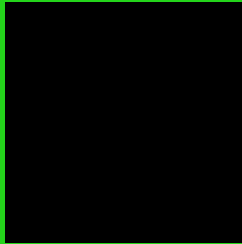
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.5412, 0.3023, 0.5874

Background



This preview shows how black text looks on a background with the Yxy color 47.5412, 0.3023, 0.5874.



This preview shows how white text looks on a background with the Yxy color 47.5412, 0.3023, 0.5874.

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

47.5412, 0.3023, 0.5874

Protanopia

46.4755, 0.4386, 0.4853

Deuteranopia

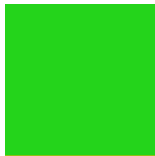
46.2470, 0.4586, 0.4477



Tritanopia

47.1163, 0.2379, 0.3063

Trichromacy



Original Color

47.5412, 0.3023, 0.5874



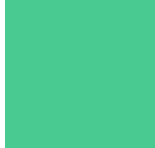
Protanomaly

44.1234, 0.3725, 0.5352



Deuteranomaly

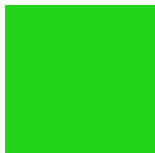
42.9842, 0.3838, 0.5107



Tritanomaly

45.7019, 0.2664, 0.4202

Monochromacy



Original Color

47.5412, 0.3023, 0.5874



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

30.5588, 0.3095, 0.4499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5412, 0.3023, 0.5874 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(36, 212, 27)` looks like.

```
.text, #text, p{  
    color:rgb(36, 212, 27)  
}
```

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(36, 212, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 212, 27) }
```

Border

The CSS property to change the border of an element to Yxy 47.5412, 0.3023, 0.5874 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(36, 212, 27) }
```

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

```
.border{ border-color:rgb(36, 212, 27) }
```

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

Here you see how a box with a 4 pixel rgb(36, 212, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 212, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 212, 27);  
box-shadow:4px 4px 4px 4px rgb(36, 212,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5412, 0.3023, 0.5874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 212, 27) }
```

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

```
.background{ background-color: rgb(36, 212,  
27) }
```

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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