

Converting Colors

$Y_{xy}(47.7911, 0.3025, 0.5980)$

Have a look what the booklet for
Yxy(47.7911, 0.3025, 0.5980)
contains.

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Color

Yxy(47.7827, 0.3025, 0.5980)

Conversions

Conversions Part 1

Format	Color
Hex	18D500
RGB	24, 213, 0
RGB Percent	9%, 84%, 0%
CMY	0.9059, 0.1647, 0.9997
CMYK	0.89, 0.00, 1.00, 0.16
HSL	113°, 100%, 42%
HSV	113°, 100%, 84%
XYZ	24.1710, 47.7827, 7.9505
YIQ	132.2070, -44.2710, -106.3110

Conversions

Conversions Part 2

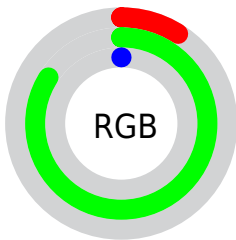
Format	Color
RYB	0, 213, 189
Decimal	1627392
CIELab	74.69, -74.12, 72.76
CIELCh	75, 103.865, 135.528
Yxy	47.7827, 0.3025, 0.5980
Android (android.graphics.Color)	4279817472 (0xFF18D500)
YUV	132.2070, -65.1781, -94.8975
Hunter-Lab	69.1250, -58.5525, 41.5682

Details

The Yxy color **47.7827, 0.3025, 0.5980** 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 **15.6360, 0.2925, 0.1385**, and the grayscale version is **23.4084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6552, 0.3147, 0.5394**, and **24.1139, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **47.7837, 0.3025, 0.5980**, and if you desaturate by 10%, it is **48.1574, 0.3047, 0.5888**.

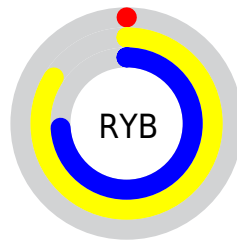
Distribution



Red (9%)

Green (84%)

Blue (0%)



Red (0%)

Yellow (84%)

Blue (74%)

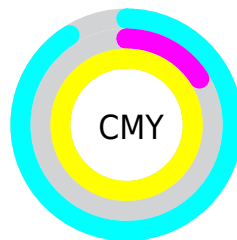


Cyan (89%)

Magenta (0%)

Yellow (100%)

Black (16%)



Cyan (91%)


Magenta (16%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7827, 0.3025, 0.5980 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 47.7827, 0.3025, 0.5980 by changing the saturation by 10% instead.


 47.7827, 0.3025,
0.5980


 47.7827, 0.3025,
0.5980


377.9302, 0.3209,
0.4557


 33.6548, 0.2929,
0.6324


 86.8808, 0.3129,
0.5463

 22.6286, 0.2777,
0.6742


 112.6198, 0.3156,
0.5267


 14.3195, 0.2552,
0.7295


 142.9980, 0.3175,
0.5101


 8.3432, 0.2152,
0.7848

 178.3997, 0.3188,
0.4960

 4.3153, 0.1545,
0.8455

 219.2094, 0.3197,
0.4838

 1.8515, 0.0000,
1.0000

 265.8114, 0.3203,

 0.5190, 0.0000,

0.4732


1.0000


318.5902, 0.3206,
0.4639


 0.0000, 0.0000,
0.0000


 47.7827, 0.3025,
0.5980


 47.7827, 0.3025,
0.5980


 47.7837, 0.3025,
0.5980

 48.1574, 0.3047,
0.5888

 48.7804, 0.3073,
0.5721

 49.6971, 0.3095,
0.5477

 50.9386, 0.3114,
0.5173

 52.5320, 0.3127,
0.4835

■ 54.5013, 0.3134,
0.4487

■ 56.8687, 0.3137,
0.4148

■ 59.6544, 0.3136,
0.3831

■ 62.8773, 0.3133,
0.3544

Harmonies

Analogous

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



47.7827, 0.4203, 0.5517



47.7827, 0.3025, 0.5980



47.7827, 0.1927, 0.4948

Triad

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



47.7827, 0.3025, 0.5980



47.7827, 0.1171, 0.1514



47.7827, 0.5399, 0.2867

Complementary

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



47.7827, 0.3025, 0.5980



15.6360, 0.2925, 0.1385

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.



47.7827, 0.4093, 0.2167



47.7827, 0.3025, 0.5980



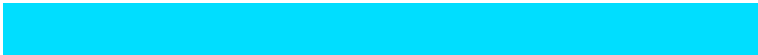
47.7827, 0.1676, 0.1434

Square

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



47.7827, 0.3025, 0.5980



47.7827, 0.1025, 0.2000



47.7827, 0.2655, 0.1659



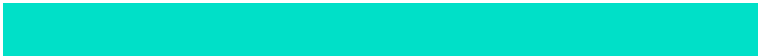
47.7827, 0.5779, 0.3643

Rectangle

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



47.7827, 0.3025, 0.5980



47.7827, 0.1406, 0.3718



47.7827, 0.2655, 0.1659



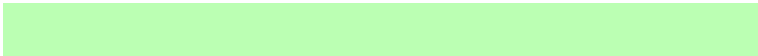
47.7827, 0.5038, 0.2622

Sweetspot

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



47.7847, 0.3025, 0.5980



85.3309, 0.3137, 0.4159



50.1827, 0.4416, 0.4875



17.9258, 0.3136, 0.4302



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.



47.7847, 0.3025, 0.5980



71.7760, 0.3022, 0.5983



48.1955, 0.2831, 0.5391



13.9621, 0.3132, 0.3530



29.2095, 0.3030, 0.5976



1.7847, 0.3107, 0.5915

Inverse Universe

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



15.6360, 0.2925, 0.1385



23.4468, 0.2922, 0.1383



15.7974, 0.4486, 0.2245



12.5586, 0.3120, 0.3059



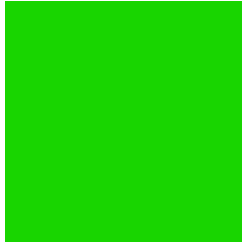
9.5772, 0.2929, 0.1387



0.5983, 0.2981, 0.1416

Previews

White Background



This preview shows how the Yxy color 47.7827, 0.3025, 0.5980 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 47.7827, 0.3025, 0.5980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

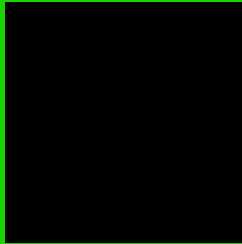
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7827, 0.3025, 0.5980

Background



This preview shows how black text looks on a background with the Yxy color 47.7827, 0.3025, 0.5980.



This preview shows how white text looks on a background with the Yxy color 47.7827, 0.3025, 0.5980.

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

47.7827, 0.3025, 0.5980

Protanopia

46.8461, 0.4397, 0.4891

Deuteranopia

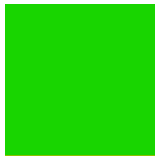
46.7424, 0.4610, 0.4513



Tritanopia

47.5185, 0.2369, 0.3063

Trichromacy



Original Color

47.7827, 0.3025, 0.5980



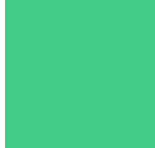
Protanomaly

44.0725, 0.3699, 0.5445



Deuteranomaly

42.9252, 0.3834, 0.5219



Tritanomaly

45.6827, 0.2692, 0.4375

Monochromacy



Original Color

47.7827, 0.3025, 0.5980



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

28.4570, 0.3133, 0.4727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7827, 0.3025, 0.5980 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(24, 213, 0)` looks like.

```
.text, #text, p{  
    color:rgb(24, 213, 0)  
}
```

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(24, 213, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 213, 0) }
```

Border

The CSS property to change the border of an element to Yxy 47.7827, 0.3025, 0.5980 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(24, 213, 0) }
```

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

```
.border{ border-color:rgb(24, 213, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 213, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 213, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 213, 0);  
box-shadow:4px 4px 4px 4px rgb(24, 213, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 47.7827, 0.3025, 0.5980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 213, 0) }
```

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

```
.background{ background-color: rgb(24, 213,  
0) }
```

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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