

Converting Colors

$Y_{xy}(47.8850, 0.3004, 0.5948)$

Have a look what the booklet for
Yxy(47.8850, 0.3004, 0.5948)
contains.

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Color

Yxy(47.7422, 0.3005, 0.5949)

Conversions

Conversions Part 1

Format	Color
Hex	11D50F
RGB	17, 213, 15
RGB Percent	7%, 84%, 6%
CMY	0.9320, 0.1647, 0.9413
CMYK	0.92, 0.00, 0.93, 0.16
HSL	119°, 87%, 45%
HSV	119°, 93%, 84%
XYZ	24.1159, 47.7422, 8.3944
YIQ	131.8240, -53.2580, -103.1300

Conversions

Conversions Part 2

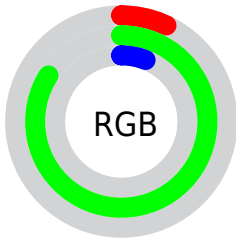
Format	Color
RYB	15, 213, 211
Decimal	1168655
CIELab	74.66, -74.25, 71.19
CIELCh	75, 102.864, 136.203
Yxy	47.7422, 0.3005, 0.5949
Android (android.graphics.Color)	4279358735 (0xFF11D50F)
YUV	131.8240, -57.5942, -100.7006
Hunter-Lab	69.0957, -58.6173, 41.1639

Details

The Yxy color **47.7422, 0.3005, 0.5949** 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 **18.9407, 0.3181, 0.1547**, and the grayscale version is **23.2703, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6041, 0.3122, 0.5355**, and **23.7769, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **47.6039, 0.3002, 0.5998**, and if you desaturate by 10%, it is **48.1359, 0.3013, 0.5818**.

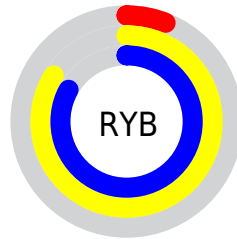
Distribution



Red (7%)

Green (84%)

Blue (6%)



Red (6%)

Yellow (84%)

Blue (83%)

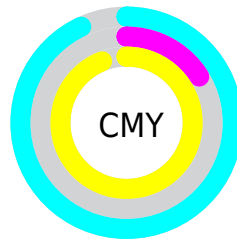


Cyan (92%)

Magenta (0%)

Yellow (93%)

Black (16%)



Cyan (93%)


Magenta (16%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7422, 0.3005, 0.5949 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 47.7422, 0.3005, 0.5949 by changing the saturation by 10% instead.


 47.7422, 0.3005,
0.5949

 47.7422, 0.3005,
0.5949


377.7694, 0.3193,
0.4538

 33.6228, 0.2910,
0.6294


 86.8204, 0.3109,
0.5434


 22.6040, 0.2760,
0.6715


 112.5480, 0.3137,
0.5239


 14.3013, 0.2533,
0.7260


 142.9138, 0.3156,
0.5075

 8.3306, 0.2146,
0.7854

 178.3022, 0.3170,
0.4935

 4.3072, 0.1537,
0.8463

 219.0976, 0.3179,
0.4815

 1.8468, 0.0000,
1.0000

 265.6843, 0.3186,

 0.5161, 0.0000,

0.4710

1.0000

318.4467, 0.3190,
0.4619

■ 0.0000, 0.0000,
0.0000

■ 47.7422, 0.3005,
0.5949

■ 47.7422, 0.3005,
0.5949

■ 47.6039, 0.3002,
0.5998

■ 48.1359, 0.3013,
0.5818

■ 48.8316, 0.3025,
0.5601

■ 49.8763, 0.3040,
0.5310

■ 51.3077, 0.3056,
0.4973

■ 53.1586, 0.3072,
0.4615

■ 55.4581, 0.3087,
0.4262

■ 58.2331, 0.3101,
0.3931

■ 61.5080, 0.3114,
0.3629

■ 65.3059, 0.3124,
0.3363

Harmonies

Analogous

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



47.7422, 0.4176, 0.5524



47.7422, 0.3005, 0.5949



47.7422, 0.1917, 0.4891

Triad

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



47.7422, 0.3005, 0.5949



47.7422, 0.1190, 0.1520



47.7422, 0.5399, 0.2889

Complementary

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



47.7422, 0.3005, 0.5949



18.9407, 0.3181, 0.1547

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.



47.7422, 0.4119, 0.2189



47.7422, 0.3005, 0.5949



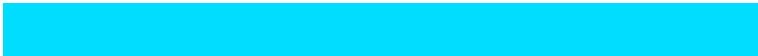
47.7422, 0.1702, 0.1448

Square

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



47.7422, 0.3005, 0.5949



47.7422, 0.1037, 0.1994



47.7422, 0.2688, 0.1678



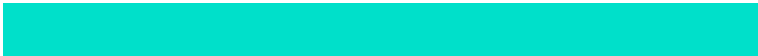
47.7422, 0.5757, 0.3666

Rectangle

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



47.7422, 0.3005, 0.5949



47.7422, 0.1406, 0.3676



47.7422, 0.2688, 0.1678



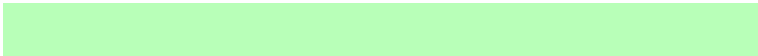
47.7422, 0.5048, 0.2644

Sweetspot

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



47.7442, 0.3005, 0.5949



85.2100, 0.3094, 0.4104



60.1243, 0.4208, 0.5010



17.8664, 0.3088, 0.4251



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.



47.7442, 0.3005, 0.5949



71.5396, 0.3002, 0.5999



48.8296, 0.2721, 0.4951



13.9029, 0.3118, 0.3531



29.0823, 0.3003, 0.5998



1.7566, 0.3012, 0.5991

Inverse Universe

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



18.9407, 0.3181, 0.1547



27.9086, 0.3179, 0.1525



15.7779, 0.4748, 0.2429



12.6248, 0.3136, 0.3060



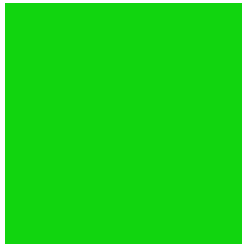
11.3492, 0.3180, 0.1525



0.6870, 0.3185, 0.1528

Previews

White Background



This preview shows how the Yxy color 47.7422, 0.3005, 0.5949 looks on a white background.

Color Contrast Check

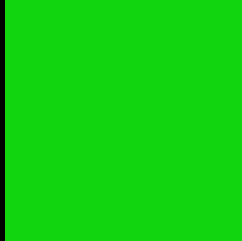
Large Text (above 18pt) WCAG AA × Fail

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 47.7422, 0.3005, 0.5949 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

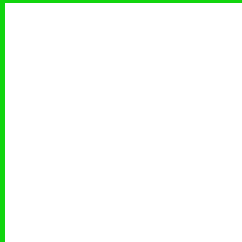
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.7422, 0.3005, 0.5949

Background



This preview shows how black text looks on a background with the Yxy color 47.7422, 0.3005, 0.5949.



This preview shows how white text looks on a background with the Yxy color 47.7422, 0.3005, 0.5949.

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

47.7422, 0.3005, 0.5949

Protanopia

46.4350, 0.4407, 0.4883

Deuteranopia

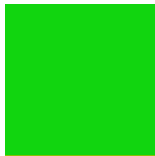
46.7586, 0.4602, 0.4502



Tritanopia

47.4169, 0.2361, 0.3063

Trichromacy



Original Color

47.7422, 0.3005, 0.5949



Protanomaly

43.4693, 0.3683, 0.5443



Deuteranomaly

42.7692, 0.3797, 0.5197



Tritanomaly

45.7549, 0.2649, 0.4275

Monochromacy



Original Color

47.7422, 0.3005, 0.5949



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

28.3847, 0.3072, 0.4646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7422, 0.3005, 0.5949 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(17, 213, 15)` looks like.

```
.text, #text, p{  
    color:rgb(17, 213, 15)  
}
```

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(17, 213, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 213, 15) }
```

Border

The CSS property to change the border of an element to Yxy 47.7422, 0.3005, 0.5949 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(17, 213, 15) }
```

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

```
.border{ border-color:rgb(17, 213, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 213, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 213, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 213, 15);  
box-shadow:4px 4px 4px 4px rgb(17, 213,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7422, 0.3005, 0.5949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 213, 15) }
```

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

```
.background{ background-color: rgb(17, 213,  
15) }
```

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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