

Converting Colors

Yxy(48.0069, 0.3011, 0.5766)

Have a look what the booklet for
Yxy(48.0069, 0.3011, 0.5766)
contains.

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Color

Yxy(47.7750, 0.3011, 0.5760)

Conversions

Conversions Part 1

Format	Color
Hex	2BD42B
RGB	43, 212, 43
RGB Percent	17%, 83%, 17%
CMY	0.8316, 0.1686, 0.8312
CMYK	0.80, 0.00, 0.80, 0.17
HSL	120°, 66%, 50%
HSV	120°, 80%, 83%
XYZ	24.9740, 47.7750, 10.1937
YIQ	142.2030, -46.4750, -88.3870

Conversions

Conversions Part 2

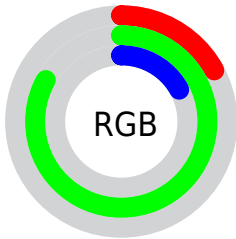
Format	Color
RYB	43, 212, 212
Decimal	2872363
CIELab	74.68, -70.63, 65.54
CIELCh	75, 96.348, 137.141
Yxy	47.7750, 0.3011, 0.5760
Android (android.graphics.Color)	4281062443 (0xFF2BD42B)
YUV	142.2030, -48.9071, -87.0010
Hunter-Lab	69.1195, -56.4639, 39.6396

Details

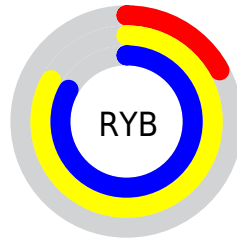
The Yxy color **47.7750, 0.3011, 0.5760** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **20.4690, 0.3206, 0.1645**, and the grayscale version is **27.3407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4012, 0.3112, 0.5195**, and **23.7769, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **47.3151, 0.3004, 0.5918**, and if you desaturate by 10%, it is **48.5573, 0.3022, 0.5517**.

Distribution



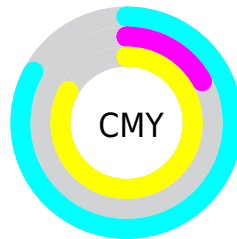
- Red (17%)
- Green (83%)
- Blue (17%)



- Red (17%)
- Yellow (83%)
- Blue (83%)



- Cyan (80%)
- Magenta (0%)
- Yellow (80%)
- Black (17%)




- Cyan (83%)
- Magenta (17%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7750, 0.3011, 0.5760 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 47.7750, 0.3011, 0.5760 by changing the saturation by 10% instead.


 47.7750, 0.3011,
0.5760


 47.7750, 0.3011,
0.5760


377.8996, 0.3175,
0.4443


 33.6487, 0.2929,
0.6090


 86.8693, 0.3100,
0.5274

 22.6239, 0.2801,
0.6500


 112.6061, 0.3125,
0.5093


 14.3160, 0.2593,
0.7013

 142.9820, 0.3142,
0.4940

 8.3408, 0.2275,
0.7725

 178.3812, 0.3153,
0.4810

 4.3138, 0.1684,
0.8316

 219.1881, 0.3162,
0.4699

 1.8506, 0.0000,
1.0000

 265.7873, 0.3168,


 0.5184, 0.0000,

0.4602


1.0000


318.5629, 0.3172,
0.4518


 0.0000, 0.0000,
0.0000

 47.7750, 0.3011,
0.5760


 47.7750, 0.3011,
0.5760


 47.3151, 0.3004,
0.5918


 48.5573, 0.3022,
0.5517

 47.0951, 0.3000,
0.5998


 49.6995, 0.3037,
0.5208


 47.0905, 0.3000,
0.6000

 51.2402, 0.3053,
0.4861

 53.2116, 0.3070,
0.4502

 55.6425, 0.3086,
0.4153

 58.5595, 0.3102,
0.3830

 61.9869, 0.3115,
0.3540

 65.9474, 0.3127,
0.3284

 70.4624, 0.3138,
0.3062

Harmonies

Analogous

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



47.7750, 0.4134, 0.5454



47.7750, 0.3011, 0.5760



47.7750, 0.1969, 0.4725

Triad

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



47.7750, 0.3011, 0.5760



47.7750, 0.1280, 0.1595



47.7750, 0.5289, 0.2950

Complementary

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



47.7750, 0.3011, 0.5760



20.4690, 0.3206, 0.1645

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.



47.7750, 0.4108, 0.2265



47.7750, 0.3011, 0.5760



47.7750, 0.1794, 0.1529

Square

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



47.7750, 0.3011, 0.5760



47.7750, 0.1123, 0.2049



47.7750, 0.2756, 0.1762



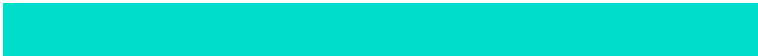
47.7750, 0.5620, 0.3714

Rectangle

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



47.7750, 0.3011, 0.5760



47.7750, 0.1480, 0.3612



47.7750, 0.2756, 0.1762



47.7750, 0.4966, 0.2710

Sweetspot

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



47.7770, 0.3011, 0.5760



86.8507, 0.3095, 0.3972



61.2621, 0.4130, 0.4948



18.2559, 0.3089, 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.



47.7770, 0.3011, 0.5760



71.6085, 0.3001, 0.5978



49.1468, 0.2685, 0.4646



13.8961, 0.3116, 0.3531



29.0694, 0.3000, 0.6000



1.7534, 0.2999, 0.5998

Inverse Universe

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



20.4690, 0.3206, 0.1645



28.6913, 0.3210, 0.1551



17.2652, 0.4488, 0.2431



12.6326, 0.3138, 0.3060



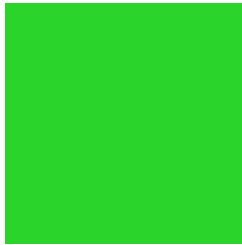
11.5715, 0.3211, 0.1542



0.6980, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 47.7750, 0.3011, 0.5760 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 47.7750, 0.3011, 0.5760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

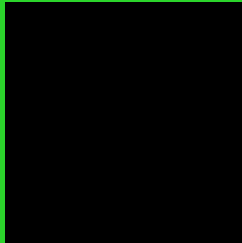
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7750, 0.3011, 0.5760

Background



This preview shows how black text looks on a background with the Yxy color 47.7750, 0.3011, 0.5760.



This preview shows how white text looks on a background with the Yxy color 47.7750, 0.3011, 0.5760.

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

47.7750, 0.3011, 0.5760

Protanopia

46.5564, 0.4346, 0.4794

Deuteranopia

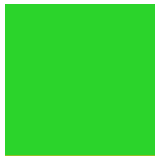
46.7180, 0.4533, 0.4432



Tritanopia

47.2234, 0.2387, 0.3063

Trichromacy



Original Color

47.7750, 0.3011, 0.5760



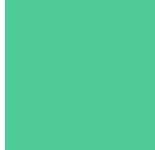
Protanomaly

44.3909, 0.3705, 0.5258



Deuteranomaly

43.3841, 0.3825, 0.5008



Tritanomaly

46.0532, 0.2648, 0.4097

Monochromacy



Original Color

47.7750, 0.3011, 0.5760



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

31.7422, 0.3077, 0.4367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7750, 0.3011, 0.5760 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(43, 212, 43)` looks like.

```
.text, #text, p{  
    color:rgb(43, 212, 43)  
}
```

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(43, 212, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 212, 43) }
```

Border

The CSS property to change the border of an element to Yxy 47.7750, 0.3011, 0.5760 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(43, 212, 43) }
```

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

```
.border{ border-color:rgb(43, 212, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 212, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 212, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 212, 43);  
box-shadow:4px 4px 4px 4px rgb(43, 212,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7750, 0.3011, 0.5760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 212, 43) }
```

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

```
.background{ background-color: rgb(43, 212,  
43) }
```

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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