

Converting Colors

$Y_{xy}(47.8428, 0.3202, 0.5624)$

Have a look what the booklet for
Yxy(47.8428, 0.3202, 0.5624)
contains.

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Color

Yxy(47.8428, 0.3202, 0.5624)

Conversions

Conversions Part 1

Format	Color
Hex	58D12A
RGB	88, 209, 42
RGB Percent	35%, 82%, 16%
CMY	0.6551, 0.1804, 0.8354
CMYK	0.58, 0.00, 0.80, 0.18
HSL	103°, 67%, 49%
HSV	103°, 80%, 82%
XYZ	27.2391, 47.8428, 9.9871
YIQ	153.7830, -18.5090, -77.5890

Conversions

Conversions Part 2

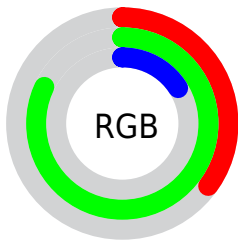
Format	Color
RYB	42, 209, 163
Decimal	5820714
CIELab	74.73, -61.41, 66.23
CIELCh	75, 90.316, 132.838
Yxy	47.8428, 0.3202, 0.5624
Android (android.graphics.Color)	4284010794 (0xFF58D12A)
YUV	153.7830, -55.1090, -57.6917
Hunter-Lab	69.1685, -50.7502, 39.8572

Details

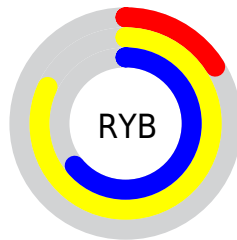
The Yxy color **47.8428, 0.3202, 0.5624** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark washed green. A complement of this color would be **14.0495, 0.2663, 0.1363**, and the grayscale version is **32.4617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9633, 0.3277, 0.5100**, and **22.7825, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **47.0687, 0.3162, 0.5798**, and if you desaturate by 10%, it is **48.8525, 0.3230, 0.5385**.

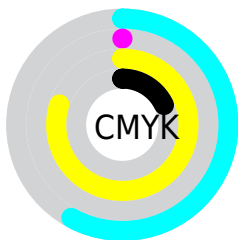
Distribution



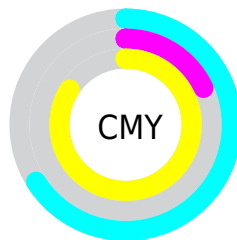
- Red (35%)
- Green (82%)
- Blue (16%)



- Red (16%)
- Yellow (82%)
- Blue (64%)



- Cyan (58%)
- Magenta (0%)
- Yellow (80%)
- Black (18%)




- Cyan (66%)
- Magenta (18%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.8428, 0.3202, 0.5624 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 47.8428, 0.3202, 0.5624 by changing the saturation by 10% instead.


 47.8428, 0.3202,
0.5624


 47.8428, 0.3202,
0.5624


378.1687, 0.3266,
0.4396


 33.7024, 0.3145,
0.5925


 86.9703, 0.3254,
0.5176

 22.6651, 0.3048,
0.6298


 112.7262, 0.3265,
0.5007


 14.3464, 0.2881,
0.6760


 143.1227, 0.3271,
0.4864

 8.3620, 0.2612,
0.7388

 178.5443, 0.3273,
0.4743

 4.3274, 0.2071,
0.7929

 219.3753, 0.3273,
0.4638

 1.8584, 0.0264,
0.9736

 266.0001, 0.3271,


 0.5232, 0.0000,


0.4547

1.0000


318.8031, 0.3269,
0.4467


 0.0000, 0.0000,
0.0000


 47.8428, 0.3202,
0.5624


 47.8428, 0.3202,
0.5624

 47.0687, 0.3162,
0.5798

 48.8525, 0.3230,
0.5385


 46.4951, 0.3116,
0.5907


 50.1112, 0.3244,
0.5095


 46.4908, 0.3116,
0.5908

 51.6379, 0.3244,
0.4776


 53.4481, 0.3233,
0.4448

 55.5560, 0.3214,
0.4125

 57.9749, 0.3188,
0.3821

 60.7171, 0.3158,
0.3541

 63.7942, 0.3127,
0.3288

 67.2173, 0.3095,
0.3063

Harmonies

Analogous

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



47.8428, 0.4266, 0.5256



47.8428, 0.3202, 0.5624



47.8428, 0.2172, 0.4827

Triad

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



47.8428, 0.3202, 0.5624



47.8428, 0.1318, 0.1713



47.8428, 0.5039, 0.2882

Complementary

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



47.8428, 0.3202, 0.5624



14.0495, 0.2663, 0.1363

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.



47.8428, 0.3864, 0.2235



47.8428, 0.3202, 0.5624



47.8428, 0.1764, 0.1597

Square

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



47.8428, 0.3202, 0.5624



47.8428, 0.1215, 0.2230



47.8428, 0.2623, 0.1782



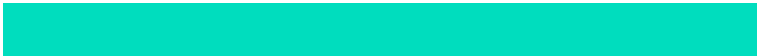
47.8428, 0.5499, 0.3618

Rectangle

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



47.8428, 0.3202, 0.5624



47.8428, 0.1653, 0.3820



47.8428, 0.2623, 0.1782



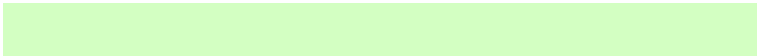
47.8428, 0.4700, 0.2653

Sweetspot

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



47.8448, 0.3202, 0.5624



89.2023, 0.3200, 0.3951



39.4536, 0.4562, 0.4548



18.8049, 0.3209, 0.4062



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.



47.8448, 0.3202, 0.5624



73.1440, 0.3128, 0.5878



46.6499, 0.2899, 0.5380



13.3614, 0.3157, 0.3527



28.7044, 0.3125, 0.5901



1.6448, 0.3264, 0.5791

Inverse Universe

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



14.0495, 0.2663, 0.1363



18.0856, 0.2537, 0.1182



18.2216, 0.3686, 0.1938



11.8387, 0.3094, 0.3058



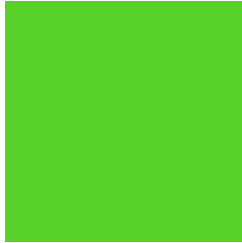
6.9746, 0.2527, 0.1166



0.4283, 0.2657, 0.1237

Previews

White Background



This preview shows how the Yxy color 47.8428, 0.3202, 0.5624 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 47.8428, 0.3202, 0.5624 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 47.8428, 0.3202, 0.5624

Background



This preview shows how black text looks on a background with the Yxy color 47.8428, 0.3202, 0.5624.



This preview shows how white text looks on a background with the Yxy color 47.8428, 0.3202, 0.5624.

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

47.8428, 0.3202, 0.5624

Protanopia

46.9675, 0.4337, 0.4802

Deuteranopia

46.6969, 0.4543, 0.4445



Tritanopia

47.6764, 0.2514, 0.3082

Trichromacy



Original Color

47.8428, 0.3202, 0.5624



Protanomaly

45.5206, 0.3856, 0.5147



Deuteranomaly

44.7220, 0.3986, 0.4907



Tritanomaly

46.6666, 0.2814, 0.4070

Monochromacy



Original Color

47.8428, 0.3202, 0.5624



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

36.2102, 0.3226, 0.4275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8428, 0.3202, 0.5624 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(88, 209, 42)` looks like.

```
.text, #text, p{  
    color:rgb(88, 209, 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(88, 209, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 209, 42) }
```

Border

The CSS property to change the border of an element to Yxy 47.8428, 0.3202, 0.5624 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(88, 209, 42) }
```

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

```
.border{ border-color:rgb(88, 209, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 209, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 209, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 209, 42);  
box-shadow:4px 4px 4px 4px rgb(88, 209,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8428, 0.3202, 0.5624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 209, 42) }
```

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

```
.background{ background-color: rgb(88, 209,  
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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