

Converting Colors

$Y_{xy}(47.2521, 0.3331, 0.4433)$

Have a look what the booklet for
Yxy(47.2521, 0.3331, 0.4433)
contains.

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Color

Yxy(47.2248, 0.3332, 0.4436)

Conversions

Conversions Part 1

Format	Color
Hex	96C474
RGB	150, 196, 116
RGB Percent	59%, 77%, 45%
CMY	0.4117, 0.2314, 0.5452
CMYK	0.23, 0.00, 0.41, 0.23
HSL	94°, 40%, 61%
HSV	94°, 41%, 77%
XYZ	35.4718, 47.2248, 23.7614
YIQ	173.1260, -1.7360, -34.6320

Conversions

Conversions Part 2

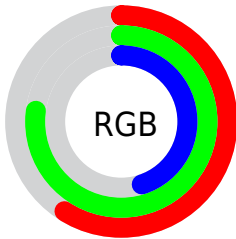
Format	Color
RYB	116, 196, 162
Decimal	9880692
CIELab	74.33, -29.38, 35.34
CIElCh	74, 45.956, 129.744
Yxy	47.2248, 0.3332, 0.4436
Android (android.graphics.Color)	4288070772 (0xFF96C474)
YUV	173.1260, -28.1631, -20.2815
Hunter-Lab	68.7203, -28.1230, 27.6035

Details

The Yxy color **47.2248, 0.3332, 0.4436** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **24.1483, 0.2814, 0.2185**, and the grayscale version is **42.0059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0943, 0.3305, 0.4217**, and **22.2807, 0.3352, 0.4792** is the 20% darker color. If you saturate the color by 10%, you get **45.8002, 0.3363, 0.4743**, and if you desaturate by 10%, it is **48.8525, 0.3290, 0.4130**.

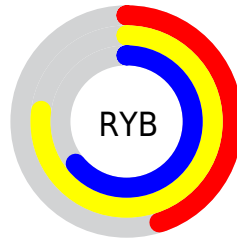
Distribution



Red (59%)

Green (77%)

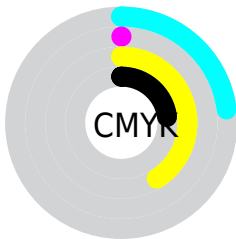
Blue (45%)



Red (45%)

Yellow (77%)

Blue (64%)

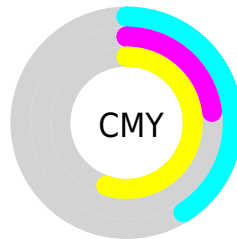


Cyan (23%)

Magenta (0%)

Yellow (41%)

Black (23%)



Cyan (41%)


Magenta (23%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.2248, 0.3332, 0.4436 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 47.2248, 0.3332, 0.4436 by changing the saturation by 10% instead.

 47.2248, 0.3332,
0.4436


 47.2248, 0.3332,
0.4436


375.7111, 0.3250,
0.3839


 33.2134, 0.3344,
0.4590


 86.0491, 0.3308,
0.4214

 22.2900, 0.3354,
0.4791


 111.6308, 0.3297,
0.4133

 14.0701, 0.3356,
0.5059

 141.8380, 0.3288,
0.4064

 8.1695, 0.3336,
0.5432

177.0551, 0.3279,
0.4005

 4.2036, 0.3295,
0.6041

217.6666, 0.3271,
0.3955

 1.7881, 0.3067,
0.6933

264.0569, 0.3263,

 0.4797, 0.0000,

0.3911

1.0000

316.6102, 0.3257,
0.3873

■ 0.0000, 0.0000,
0.0000

■ 47.2248, 0.3332,
0.4436

■ 47.2248, 0.3332,
0.4436

■ 45.8002, 0.3363,
0.4743

■ 48.8525, 0.3290,
0.4130

■ 44.5634, 0.3380,
0.5037

■ 50.6853, 0.3240,
0.3837

■ 43.5067, 0.3378,
0.5302


■ 52.7333, 0.3187,
0.3562

■ 42.6193, 0.3356,
0.5522


■ 55.0036, 0.3132,
0.3310

■ 41.8884, 0.3316,
0.5684

■ 57.5034, 0.3077,
0.3082

 41.3368, 0.3268,
0.5787

 60.2392, 0.3024,
0.2877

 63.2175, 0.2974,
0.2695

 65.2458, 0.3044,
0.2693

 67.2796, 0.3127,
0.2708

Harmonies

Analogous

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



47.2248, 0.3919, 0.4380



47.2248, 0.3332, 0.4436



47.2248, 0.2721, 0.4071

Triad

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



47.2248, 0.3332, 0.4436



47.2248, 0.2043, 0.2436



47.2248, 0.4061, 0.3071

Complementary

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



47.2248, 0.3332, 0.4436



24.1483, 0.2814, 0.2185

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.



47.2248, 0.3464, 0.2659



47.2248, 0.3332, 0.4436



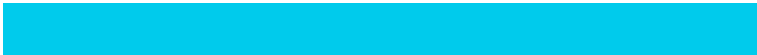
47.2248, 0.2318, 0.2299

Square

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



47.2248, 0.3332, 0.4436



47.2248, 0.2017, 0.2822



47.2248, 0.2820, 0.2385



47.2248, 0.4382, 0.3552

Rectangle

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



47.2248, 0.3332, 0.4436



47.2248, 0.2383, 0.3654



47.2248, 0.2820, 0.2385



47.2248, 0.3882, 0.2923

Sweetspot

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



47.2269, 0.3332, 0.4436



95.0001, 0.3194, 0.3598



38.5996, 0.3901, 0.3889



20.2252, 0.3201, 0.3634



0.0000, 0.0000, 0.0000



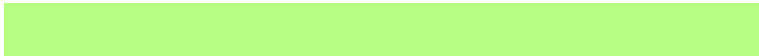
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.2269, 0.3332, 0.4436



83.2257, 0.3361, 0.4711



44.5800, 0.3035, 0.4450



11.4636, 0.3179, 0.3523



26.6090, 0.3278, 0.5779



1.1902, 0.3460, 0.5635

Inverse Universe

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



24.1483, 0.2814, 0.2185



35.7332, 0.2723, 0.1932



27.9686, 0.3230, 0.2354



10.0272, 0.3071, 0.3058



4.8519, 0.2186, 0.0978



0.2496, 0.2411, 0.1102

Previews

White Background



This preview shows how the Yxy color 47.2248, 0.3332, 0.4436 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 47.2248, 0.3332, 0.4436 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 47.2248, 0.3332, 0.4436

Background



This preview shows how black text looks on a background with the Yxy color 47.2248, 0.3332, 0.4436.



This preview shows how white text looks on a background with the Yxy color 47.2248, 0.3332, 0.4436.

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

47.2248, 0.3332, 0.4436

Protanopia

46.7457, 0.3864, 0.4186

Deuteranopia

46.7126, 0.4014, 0.3922



Tritanopia

47.1214, 0.2835, 0.3092

Trichromacy



Original Color

47.2248, 0.3332, 0.4436

Protanomaly

46.5567, 0.3656, 0.4276

Deuteranomaly

46.2571, 0.3753, 0.4104

Tritanomaly

46.9983, 0.3018, 0.3567

Monochromacy



Original Color

47.2248, 0.3332, 0.4436

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

43.3141, 0.3220, 0.3699

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2248, 0.3332, 0.4436 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(150, 196, 116)` looks like.

```
.text, #text, p{  
    color:rgb(150, 196, 116)  
}
```

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(150, 196, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 196, 116) }
```

Border

The CSS property to change the border of an element to Yxy 47.2248, 0.3332, 0.4436 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(150, 196, 116) }
```

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

```
.border{ border-color:rgb(150, 196, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 196, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 196, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 196, 116);  
box-shadow:4px 4px 4px 4px rgb(150, 196,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2248, 0.3332, 0.4436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 196, 116) }
```

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

```
.background{ background-color: rgb(150,  
196, 116) }
```

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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