

Converting Colors

$Yxy(47.6927, 0.3230, 0.4473)$

Have a look what the booklet for
Yxy(47.6927, 0.3230, 0.4473)
contains.

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Color

Yxy(47.7303, 0.3232, 0.4470)

Conversions

Conversions Part 1

Format	Color
Hex	8CC776
RGB	140, 199, 118
RGB Percent	55%, 78%, 46%
CMY	0.4509, 0.2196, 0.5372
CMYK	0.30, 0.00, 0.41, 0.22
HSL	104°, 42%, 62%
HSV	104°, 41%, 78%
XYZ	34.5110, 47.7303, 24.5379
YIQ	172.1250, -9.1630, -37.6990

Conversions

Conversions Part 2

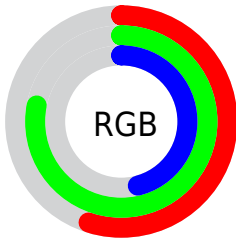
Format	Color
RYB	118, 199, 177
Decimal	9226102
CIELab	74.65, -34.05, 34.59
CIELCh	75, 48.536, 134.545
Yxy	47.7303, 0.3232, 0.4470
Android (android.graphics.Color)	4287416182 (0xFF8CC776)
YUV	172.1250, -26.6836, -28.1736
Hunter-Lab	69.0871, -31.7365, 27.3028

Details

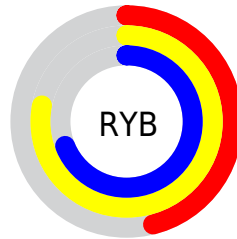
The Yxy color **47.7303, 0.3232, 0.4470** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **26.4317, 0.2943, 0.2228**, and the grayscale version is **41.4657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0624, 0.3227, 0.4232**, and **22.6944, 0.3223, 0.4844** is the 20% darker color. If you saturate the color by 10%, you get **46.1305, 0.3242, 0.4798**, and if you desaturate by 10%, it is **49.5999, 0.3213, 0.4148**.

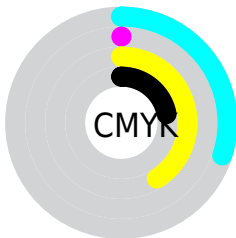
Distribution



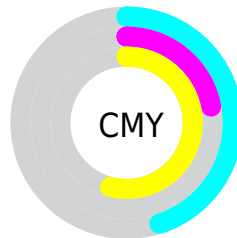
- Red (55%)
- Green (78%)
- Blue (46%)



- Red (46%)
- Yellow (78%)
- Blue (69%)



- Cyan (30%)
- Magenta (0%)
- Yellow (41%)
- Black (22%)




- Cyan (45%)
- Magenta (22%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7303, 0.3232, 0.4470 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 47.7303, 0.3232, 0.4470 by changing the saturation by 10% instead.

 47.7303, 0.3232,
0.4470


 47.7303, 0.3232,
0.4470


377.7221, 0.3202,
0.3852


 33.6134, 0.3231,
0.4631


 86.8027, 0.3227,
0.4240

 22.5967, 0.3224,
0.4841


 112.5270, 0.3223,
0.4155

 14.2960, 0.3204,
0.5124


 142.8891, 0.3219,
0.4084

 8.3268, 0.3155,
0.5521

178.2736, 0.3215,
0.4024

 4.3048, 0.3058,
0.6151

219.0647, 0.3212,
0.3972

 1.8455, 0.2781,
0.7219

265.6469, 0.3208,

 0.5153, 0.0000,

0.3927

1.0000

318.4046, 0.3205,
0.3887

■ 0.0000, 0.0000,
0.0000

■ 47.7303, 0.3232,
0.4470

■ 47.7303, 0.3232,
0.4470

■ 46.1305, 0.3242,
0.4798

■ 49.5999, 0.3213,
0.4148

■ 44.7816, 0.3240,
0.5115

■ 51.7450, 0.3189,
0.3842

■ 43.6716, 0.3225,
0.5402


■ 54.1787, 0.3160,
0.3561


■ 42.7854, 0.3197,
0.5637

■ 56.9116, 0.3129,
0.3307

■ 42.1052, 0.3157,
0.5807

■ 59.9535, 0.3098,
0.3080

 41.6331, 0.3115,
0.5909

 63.3141, 0.3068,
0.2880

 66.8520, 0.3054,
0.2725

 69.3273, 0.3153,
0.2742

Harmonies

Analogous

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



47.7303, 0.3864, 0.4471



47.7303, 0.3232, 0.4470



47.7303, 0.2605, 0.4018

Triad

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



47.7303, 0.3232, 0.4470



47.7303, 0.2023, 0.2354



47.7303, 0.4189, 0.3135

Complementary

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



47.7303, 0.3232, 0.4470



26.4317, 0.2943, 0.2228

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.



47.7303, 0.3590, 0.2691



47.7303, 0.3232, 0.4470



47.7303, 0.2349, 0.2253

Square

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



47.7303, 0.3232, 0.4470



47.7303, 0.1952, 0.2713



47.7303, 0.2904, 0.2378



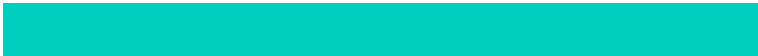
47.7303, 0.4463, 0.3640

Rectangle

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



47.7303, 0.3232, 0.4470



47.7303, 0.2275, 0.3558



47.7303, 0.2904, 0.2378



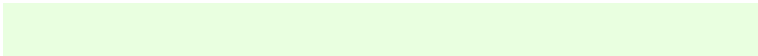
47.7303, 0.4016, 0.2977

Sweetspot

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



47.7323, 0.3232, 0.4470



94.1987, 0.3164, 0.3601



44.5230, 0.3837, 0.4033



20.0373, 0.3168, 0.3637



0.0000, 0.0000, 0.0000



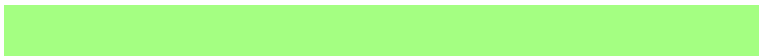
21.4041, 0.3127, 0.3290

Same Dimension

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



47.7323, 0.3232, 0.4470



81.0245, 0.3241, 0.4766



46.4651, 0.2960, 0.4256



12.0249, 0.3156, 0.3526



26.8083, 0.3123, 0.5902



1.3062, 0.3285, 0.5774

Inverse Universe

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



26.4317, 0.2943, 0.2228



38.5801, 0.2887, 0.1993



28.4578, 0.3361, 0.2490



10.6662, 0.3095, 0.3059



6.5643, 0.2537, 0.1171



0.3452, 0.2683, 0.1252

Previews

White Background



This preview shows how the Yxy color 47.7303, 0.3232, 0.4470 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 47.7303, 0.3232, 0.4470 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 47.7303, 0.3232, 0.4470

Background



This preview shows how black text looks on a background with the Yxy color 47.7303, 0.3232, 0.4470.



This preview shows how white text looks on a background with the Yxy color 47.7303, 0.3232, 0.4470.

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

47.7303, 0.3232, 0.4470

Protanopia

47.3162, 0.3860, 0.4182

Deuteranopia

47.1752, 0.3982, 0.3899



Tritanopia

47.6249, 0.2752, 0.3090

Trichromacy



Original Color

47.7303, 0.3232, 0.4470

Protanomaly

47.0751, 0.3613, 0.4296

Deuteranomaly

46.6333, 0.3683, 0.4100

Tritanomaly

47.5466, 0.2928, 0.3569

Monochromacy



Original Color

47.7303, 0.3232, 0.4470

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

43.1965, 0.3175, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7303, 0.3232, 0.4470 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(140, 199, 118)` looks like.

```
.text, #text, p{  
    color:rgb(140, 199, 118)  
}
```

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(140, 199, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 199, 118) }
```

Border

The CSS property to change the border of an element to Yxy 47.7303, 0.3232, 0.4470 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(140, 199, 118) }
```

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

```
.border{ border-color:rgb(140, 199, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 199, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 199, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 199, 118);  
box-shadow:4px 4px 4px 4px rgb(140, 199,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7303, 0.3232, 0.4470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 199, 118) }
```

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

```
.background{ background-color: rgb(140,  
199, 118) }
```

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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