

Converting Colors

$Yxy(47.6723, 0.2965, 0.4237)$

Have a look what the booklet for
Yxy(47.6723, 0.2965, 0.4237)
contains.

Yxy(47.6732, 0.2965, 0.4237)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.6732, 0.2965, 0.4237)

Conversions

Conversions Part 1

Format	Color
Hex	79C98A
RGB	121, 201, 138
RGB Percent	47%, 79%, 54%
CMY	0.5254, 0.2118, 0.4589
CMYK	0.40, 0.00, 0.31, 0.21
HSL	133°, 43%, 63%
HSV	133°, 40%, 79%
XYZ	33.3611, 47.6732, 31.4821
YIQ	169.8980, -27.4570, -36.5530

Conversions

Conversions Part 2

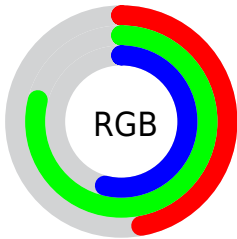
Format	Color
RYB	121, 187, 201
Decimal	7981450
CIELab	74.62, -37.90, 23.99
CIELCh	75, 44.851, 147.667
Yxy	47.6732, 0.2965, 0.4237
Android (android.graphics.Color)	4286171530 (0xFF79C98A)
YUV	169.8980, -15.7257, -42.8835
Hunter-Lab	69.0458, -34.5836, 21.2982

Details

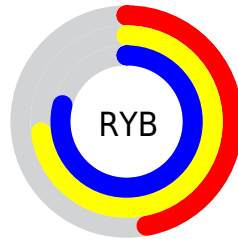
The Yxy color **47.6732, 0.2965, 0.4237** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.5618, 0.3351, 0.2502**, and the grayscale version is **40.2383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5559, 0.3000, 0.4015**, and **22.4556, 0.2893, 0.4525** is the 20% darker color. If you saturate the color by 10%, you get **45.9450, 0.2934, 0.4528**, and if you desaturate by 10%, it is **49.7748, 0.3002, 0.3963**.

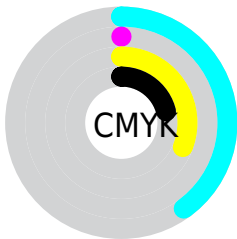
Distribution



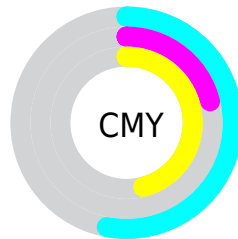
- Red (47%)
- Green (79%)
- Blue (54%)



- Red (47%)
- Yellow (73%)
- Blue (79%)



- Cyan (40%)
- Magenta (0%)
- Yellow (31%)
- Black (21%)





- Cyan (53%)
- Magenta (21%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6732, 0.2965, 0.4237 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 47.6732, 0.2965, 0.4237 by changing the saturation by 10% instead.


 47.6732, 0.2965,
0.4237


 47.6732, 0.2965,
0.4237


377.4953, 0.3060,
0.3739


 33.5682, 0.2937,
0.4369


 86.7176, 0.3003,
0.4050

 22.5620, 0.2897,
0.4542


 112.4258, 0.3016,
0.3982

 14.2705, 0.2839,
0.4780


 142.7705, 0.3027,
0.3925

 8.3090, 0.2748,
0.5125

178.1361, 0.3036,
0.3876

 4.2933, 0.2588,
0.5660

218.9070, 0.3043,
0.3835

 1.8390, 0.2416,
0.7248

265.4675, 0.3050,

 0.5113, 0.0000,

0.3799

1.0000

318.2022, 0.3055,
0.3767

■ 0.0000, 0.0000,
0.0000

■ 47.6732, 0.2965,
0.4237

■ 47.6732, 0.2965,
0.4237

■ 45.9450, 0.2934,
0.4528

■ 49.7748, 0.3002,
0.3963

■ 44.5624, 0.2911,
0.4825

■ 52.2640, 0.3043,
0.3712

■ 43.5034, 0.2900,
0.5116


■ 55.1611, 0.3086,
0.3486

■ 42.7404, 0.2902,
0.5382

■ 58.4836, 0.3128,
0.3286


■ 42.2416, 0.2917,
0.5608

■ 62.2478, 0.3169,
0.3111

 41.9505, 0.2940,
0.5784

 66.4692, 0.3208,
0.2958

 41.9453, 0.2941,
0.5787

 69.8640, 0.3195,
0.2818

 70.2536, 0.3152,
0.2762

Harmonies

Analogous

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



47.6732, 0.3571, 0.4429



47.6732, 0.2965, 0.4237



47.6732, 0.2433, 0.3689

Triad

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



47.6732, 0.2965, 0.4237



47.6732, 0.2201, 0.2349



47.6732, 0.4265, 0.3356

Complementary

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



47.6732, 0.2965, 0.4237



29.5618, 0.3351, 0.2502

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.



47.6732, 0.3823, 0.2904



47.6732, 0.2965, 0.4237



47.6732, 0.2608, 0.2348

Square

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



47.6732, 0.2965, 0.4237



47.6732, 0.2028, 0.2581



47.6732, 0.3196, 0.2547



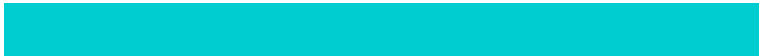
47.6732, 0.4355, 0.3832

Rectangle

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



47.6732, 0.2965, 0.4237



47.6732, 0.2187, 0.3257



47.6732, 0.3196, 0.2547



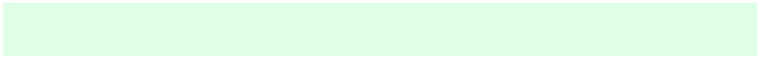
47.6732, 0.4152, 0.3199

Sweetspot

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



47.6752, 0.2965, 0.4237



93.1945, 0.3076, 0.3537



53.4699, 0.3579, 0.4316



19.8029, 0.3070, 0.3567



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.



47.6752, 0.2965, 0.4237



78.9618, 0.2937, 0.4495



49.0153, 0.2722, 0.3635



11.9241, 0.3088, 0.3477



26.3845, 0.2935, 0.5766



1.2603, 0.2824, 0.5365

Inverse Universe

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



29.5618, 0.3351, 0.2502



43.5855, 0.3416, 0.2337



28.1442, 0.3813, 0.2978



10.7766, 0.3169, 0.3110



9.3819, 0.3824, 0.1880



0.4542, 0.3672, 0.1797

Previews

White Background



This preview shows how the Yxy color 47.6732, 0.2965, 0.4237 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 47.6732, 0.2965, 0.4237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

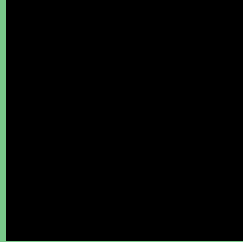
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6732, 0.2965, 0.4237

Background



This preview shows how black text looks on a background with the Yxy color 47.6732, 0.2965, 0.4237.

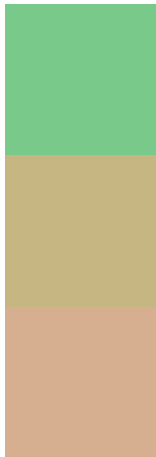


This preview shows how white text looks on a background with the Yxy color 47.6732, 0.2965, 0.4237.

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

47.6732, 0.2965, 0.4237

Protanopia

46.9379, 0.3692, 0.3958

Deuteranopia

46.8197, 0.3749, 0.3671



Tritanopia

47.4876, 0.2613, 0.3072

Trichromacy



Original Color

47.6732, 0.2965, 0.4237

Protanomaly

46.5237, 0.3390, 0.4065

Deuteranomaly

45.9373, 0.3430, 0.3857

Tritanomaly

47.2744, 0.2739, 0.3460

Monochromacy



Original Color

47.6732, 0.2965, 0.4237

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.1918, 0.3061, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6732, 0.2965, 0.4237 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(121, 201, 138)` looks like.

```
.text, #text, p{  
    color:rgb(121, 201, 138)  
}
```

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(121, 201, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 201, 138) }
```

Border

The CSS property to change the border of an element to Yxy 47.6732, 0.2965, 0.4237 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(121, 201, 138) }
```

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

```
.border{ border-color:rgb(121, 201, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 201, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 201, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 201, 138);  
box-shadow:4px 4px 4px 4px rgb(121, 201,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6732, 0.2965, 0.4237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 201, 138) }
```

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

```
.background{ background-color: rgb(121,  
201, 138) }
```

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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