

Converting Colors

$Yxy(47.7006, 0.2991, 0.4293)$

Have a look what the booklet for
Yxy(47.7006, 0.2991, 0.4293)
contains.

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Color

Yxy(47.6321, 0.2997, 0.4297)

Conversions

Conversions Part 1

Format	Color
Hex	7AC986
RGB	122, 201, 134
RGB Percent	48%, 79%, 53%
CMY	0.5213, 0.2118, 0.4745
CMYK	0.39, 0.00, 0.33, 0.21
HSL	129°, 42%, 63%
HSV	129°, 39%, 79%
XYZ	33.2216, 47.6321, 29.9959
YIQ	169.7410, -25.5770, -37.5850

Conversions

Conversions Part 2

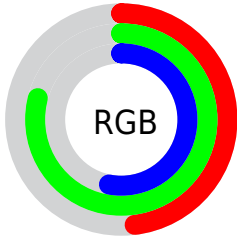
Format	Color
RYB	122, 191, 201
Decimal	8046982
CIELab	74.59, -38.28, 26.06
CIELCh	75, 46.305, 145.755
Yxy	47.6321, 0.2997, 0.4297
Android (android.graphics.Color)	4286237062 (0xFF7AC986)
YUV	169.7410, -17.6203, -41.8689
Hunter-Lab	69.0160, -34.8550, 22.5424

Details

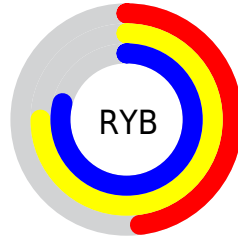
The Yxy color $47.6321, 0.2997, 0.4297$ is a light color, and the websafe version is hex $66CC99$. A complement of this color would be $30.0269, 0.3295, 0.2459$, and the grayscale version is $40.1688, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.4980, 0.3027, 0.4062$, and $22.4268, 0.2931, 0.4609$ is the 20% darker color. If you saturate the color by 10%, you get $45.8764, 0.2970, 0.4608$, and if you desaturate by 10%, it is $49.7721, 0.3028, 0.4002$.

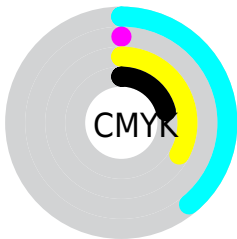
Distribution



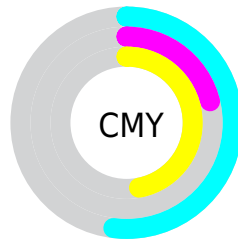
- Red (48%)
- Green (79%)
- Blue (53%)



- Red (48%)
- Yellow (75%)
- Blue (79%)



- Cyan (39%)
- Magenta (0%)
- Yellow (33%)
- Black (21%)





- Cyan (52%)
- Magenta (21%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6321, 0.2997, 0.4297 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 47.6321, 0.2997, 0.4297 by changing the saturation by 10% instead.


 47.6321, 0.2997,
0.4297


 47.6321, 0.2997,
0.4297


377.3320, 0.3078,
0.3767

 33.5356, 0.2971,
0.4437


 86.6564, 0.3030,
0.4098

 22.5371, 0.2935,
0.4622


 112.3530, 0.3042,
0.4025

 14.2521, 0.2880,
0.4875


 142.6851, 0.3051,
0.3965

 8.2962, 0.2792,
0.5241

178.0371, 0.3058,
0.3913

 4.2851, 0.2631,
0.5806

218.7934, 0.3064,
0.3869

 1.8343, 0.2468,
0.7532

265.3384, 0.3069,

 0.5084, 0.0000,

0.3830

1.0000

318.0565, 0.3074,
0.3797

0.0000, 0.0000,
0.0000

47.6321, 0.2997,
0.4297

47.6321, 0.2997,
0.4297

45.8764, 0.2970,
0.4608

49.7721, 0.3028,
0.4002

44.4764, 0.2950,
0.4924

52.3110, 0.3062,
0.3732

43.4092, 0.2939,
0.5226


55.2699, 0.3096,
0.3490

42.6467, 0.2939,
0.5496


58.6669, 0.3130,
0.3275

42.1559, 0.2949,
0.5714


62.5187, 0.3162,
0.3088

 41.8828, 0.2966,
0.5870

 66.8413, 0.3192,
0.2926

 41.8668, 0.2966,
0.5879

 70.1493, 0.3163,
0.2776

 70.2510, 0.3152,
0.2762

Harmonies

Analogous

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



47.6321, 0.3621, 0.4465



47.6321, 0.2997, 0.4297



47.6321, 0.2440, 0.3745

Triad

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



47.6321, 0.2997, 0.4297



47.6321, 0.2156, 0.2329



47.6321, 0.4283, 0.3324

Complementary

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



47.6321, 0.2997, 0.4297



30.0269, 0.3295, 0.2459

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.



47.6321, 0.3807, 0.2864



47.6321, 0.2997, 0.4297



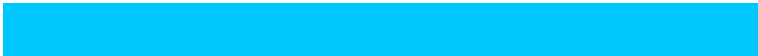
47.6321, 0.2558, 0.2315

Square

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



47.6321, 0.2997, 0.4297



47.6321, 0.1994, 0.2581



47.6321, 0.3155, 0.2508



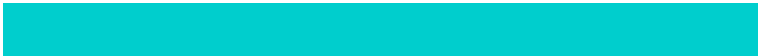
47.6321, 0.4400, 0.3814

Rectangle

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



47.6321, 0.2997, 0.4297



47.6321, 0.2178, 0.3296



47.6321, 0.3155, 0.2508



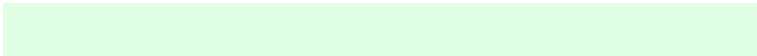
47.6321, 0.4158, 0.3164

Sweetspot

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



47.6341, 0.2997, 0.4297



93.0900, 0.3086, 0.3557



54.0162, 0.3608, 0.4290



19.7785, 0.3082, 0.3588



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.



47.6341, 0.2997, 0.4297



78.9925, 0.2974, 0.4557



48.9443, 0.2751, 0.3689



11.9136, 0.3096, 0.3492



26.3343, 0.2962, 0.5862



1.2555, 0.2870, 0.5531

Inverse Universe

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



30.0269, 0.3295, 0.2459



44.7368, 0.3341, 0.2292



28.5423, 0.3752, 0.2931



10.7880, 0.3160, 0.3096



9.6576, 0.3628, 0.1772



0.4650, 0.3528, 0.1717

Previews

White Background



This preview shows how the Yxy color 47.6321, 0.2997, 0.4297 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 47.6321, 0.2997, 0.4297 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 47.6321, 0.2997, 0.4297

Background



This preview shows how black text looks on a background with the Yxy color 47.6321, 0.2997, 0.4297.



This preview shows how white text looks on a background with the Yxy color 47.6321, 0.2997, 0.4297.

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

47.6321, 0.2997, 0.4297

Protanopia

46.8326, 0.3725, 0.4008

Deuteranopia

46.8495, 0.3794, 0.3719



Tritanopia

47.5226, 0.2625, 0.3085

Trichromacy



Original Color

47.6321, 0.2997, 0.4297



Protanomaly

46.5262, 0.3429, 0.4118



Deuteranomaly

45.9397, 0.3471, 0.3910



Tritanomaly

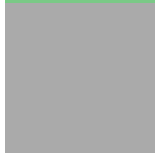
47.2310, 0.2764, 0.3503

Monochromacy



Original Color

47.6321, 0.2997, 0.4297



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

42.2544, 0.3077, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6321, 0.2997, 0.4297 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(122, 201, 134)` looks like.

```
.text, #text, p{  
    color:rgb(122, 201, 134)  
}
```

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(122, 201, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 201, 134) }
```

Border

The CSS property to change the border of an element to Yxy 47.6321, 0.2997, 0.4297 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(122, 201, 134) }
```

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

```
.border{ border-color:rgb(122, 201, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 201, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 201, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 201, 134);  
box-shadow:4px 4px 4px 4px rgb(122, 201,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6321, 0.2997, 0.4297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 201, 134) }
```

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

```
.background{ background-color: rgb(122,  
201, 134) }
```

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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