

# Converting Colors

$Yxy(47.7814, 0.2814, 0.4263)$

Have a look what the booklet for  
Yxy(47.7814, 0.2814, 0.4263)  
contains.

<b>Yxy(47.7615, 0.2815, 0.4262)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(47.7615, 0.2815, 0.4262)**

# Conversions

## Conversions Part 1

Format	Color
Hex	63CC8D
RGB	99, 204, 141
RGB Percent	39%, 80%, 55%
CMY	0.6118, 0.2000, 0.4470
CMYK	0.51, 0.00, 0.31, 0.20
HSL	144°, 51%, 59%
HSV	144°, 51%, 80%
XYZ	31.5459, 47.7615, 32.7562
YIQ	165.4230, -42.3570, -41.8530

# Conversions

## Conversions Part 2

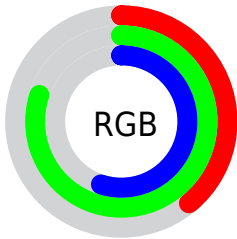
Format	Color
<a href="#">RYB</a>	<a href="#">99, 174, 204</a>
Decimal	<a href="#">6540429</a>
CIELab	<a href="#">74.67, -44.66, 22.32</a>
CIELCh	<a href="#">75, 49.924, 153.439</a>
Yxy	<a href="#">47.7615, 0.2815, 0.4262</a>
Android (android.graphics.Color)	<a href="#">4284730509 (0xFF63CC8D)</a>
YUV	<a href="#">165.4230, -12.0405, -58.2530</a>
Hunter-Lab	<a href="#">69.1097, -39.4636, 20.2749</a>

# Details

The Yxy color **47.7615, 0.2815, 0.4262** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.3697, 0.3690, 0.2506**, and the grayscale version is **37.9154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5281, 0.2876, 0.4001**, and **22.6264, 0.2708, 0.4588** is the 20% darker color. If you saturate the color by 10%, you get **46.4115, 0.2782, 0.4494**, and if you desaturate by 10%, it is **49.4458, 0.2861, 0.4039**.

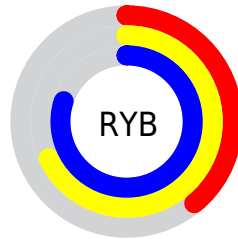
# Distribution



Red (39%)

Green (80%)

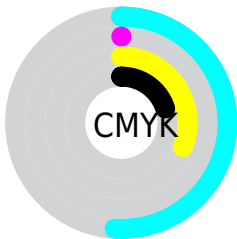
Blue (55%)



Red (39%)

Yellow (68%)

Blue (80%)

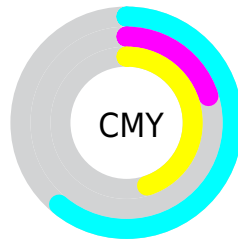


Cyan (51%)

Magenta (0%)

Yellow (31%)

Black (20%)



Cyan (61%)

Magenta (20%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7615, 0.2815, 0.4262 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 47.7615, 0.2815, 0.4262 by changing the saturation by 10% instead.





 47.7615, 0.2815,  
0.4262

 47.7615, 0.2815,  
0.4262


377.8460, 0.2985,  
0.3749

 33.6381, 0.2768,  
0.4398


 86.8492, 0.2880,  
0.4069


 22.6157, 0.2705,  
0.4579


 112.5822, 0.2904,  
0.3999

 14.3100, 0.2616,  
0.4826


 142.9539, 0.2923,  
0.3940

 8.3366, 0.2482,  
0.5187

 178.3487, 0.2939,  
0.3890

 4.3111, 0.2263,  
0.5753

219.1508, 0.2953,  
0.3847

 1.8490, 0.1808,  
0.7363

265.7449, 0.2965,

 0.5175, 0.0000,

0.3810

1.0000

318.5151, 0.2976,  
0.3778

■ 0.0000, 0.0000,  
0.0000

■ 47.7615, 0.2815,  
0.4262

■ 47.7615, 0.2815,  
0.4262

■ 46.4115, 0.2782,  
0.4494

■ 49.4458, 0.2861,  
0.4039

■ 45.3664, 0.2766,  
0.4729

■ 51.4799, 0.2918,  
0.3831

■ 44.6012, 0.2767,  
0.4957

■ 53.8850, 0.2981,  
0.3639

■ 44.0841, 0.2788,  
0.5172

■ 56.6791, 0.3048,  
0.3466

■ 43.7910, 0.2816,  
0.5338

■ 59.8790, 0.3117,  
0.3311

■ 63.5003, 0.3186,  
0.3174

■ 67.5581, 0.3253,  
0.3054

■ 70.6750, 0.3264,  
0.2943

■ 71.4229, 0.3177,  
0.2827

# Harmonies

## Analogous

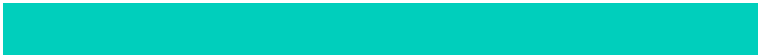
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.7615, 0.3481, 0.4559



47.7615, 0.2815, 0.4262



47.7615, 0.2268, 0.3592

# Triad

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



47.7615, 0.2815, 0.4262



47.7615, 0.2176, 0.2237



47.7615, 0.4446, 0.3452

# Complementary

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



47.7615, 0.2815, 0.4262



24.3697, 0.3690, 0.2506

# 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.



47.7615, 0.4019, 0.2950



47.7615, 0.2815, 0.4262



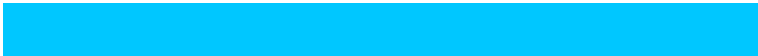
47.7615, 0.2663, 0.2284

# Square

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



47.7615, 0.2815, 0.4262



47.7615, 0.1938, 0.2433



47.7615, 0.3337, 0.2538



47.7615, 0.4456, 0.3969

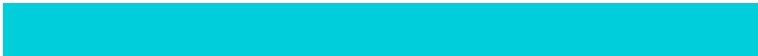


# Rectangle

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



47.7615, 0.2815, 0.4262



47.7615, 0.2036, 0.3113



47.7615, 0.3337, 0.2538



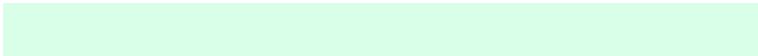
47.7615, 0.4346, 0.3279

# Sweetspot

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



47.7635, 0.2815, 0.4262



92.0625, 0.3023, 0.3528



51.7701, 0.3514, 0.4695



19.4931, 0.3008, 0.3565



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.



47.7635, 0.2815, 0.4262



76.5991, 0.2779, 0.4525



49.7130, 0.2519, 0.3439



12.6101, 0.3062, 0.3432



27.5786, 0.2809, 0.5312



1.4376, 0.2698, 0.4913



# Inverse Universe

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



24.3697, 0.3690, 0.2506



33.5858, 0.3876, 0.2367



22.8760, 0.4443, 0.3162



11.3248, 0.3198, 0.3152



8.9894, 0.4527, 0.2268



0.4785, 0.4203, 0.2089



# Previews

## White Background



This preview shows how the Yxy color 47.7615, 0.2815, 0.4262 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 47.7615, 0.2815, 0.4262 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

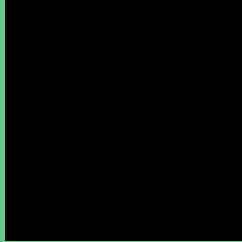
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.7615, 0.2815, 0.4262**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.7615, 0.2815, 0.4262.



This preview shows how white text looks on a background with the Yxy color 47.7615, 0.2815, 0.4262.

# 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

47.7615, 0.2815, 0.4262

### Protanopia

46.8304, 0.3674, 0.3947

### Deuteranopia

46.7636, 0.3712, 0.3636



## Tritanopia

47.5153, 0.2493, 0.3068

# Trichromacy



## Original Color

47.7615, 0.2815, 0.4262



## Protanomaly

46.1532, 0.3303, 0.4067



## Deuteranomaly

45.8201, 0.3321, 0.3856



## Tritanomaly

47.2483, 0.2601, 0.3463

# Monochromacy



## Original Color

47.7615, 0.2815, 0.4262



## Achromatopsia

37.6262, 0.3127, 0.3290



## Achromatomaly

40.3032, 0.2985, 0.3634

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.7615, 0.2815, 0.4262 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(99, 204, 141)` looks like.

```
.text, #text, p{  
    color:rgb(99, 204, 141)  
}
```

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(99, 204, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 204, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 47.7615, 0.2815, 0.4262 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(99, 204, 141) }
```

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

```
.border{ border-color:rgb(99, 204, 141) }
```

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

Here you see how a box with a 4 pixel rgb(99, 204, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 204, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 204, 141);  
box-shadow:4px 4px 4px 4px rgb(99, 204,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.7615, 0.2815, 0.4262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 204, 141) }
```

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

```
.background{ background-color: rgb(99, 204,  
141) }
```

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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