

# Converting Colors

$Yxy(47.5721, 0.2920, 0.4116)$

Have a look what the booklet for  
Yxy(47.5721, 0.2920, 0.4116)  
contains.

<b>Yxy(47.4178, 0.2920, 0.4115)</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(47.4178, 0.2920, 0.4115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79C891
RGB	121, 200, 145
RGB Percent	47%, 78%, 57%
CMY	0.5256, 0.2157, 0.4314
CMYK	0.40, 0.00, 0.28, 0.22
HSL	138°, 42%, 63%
HSV	138°, 40%, 78%
XYZ	33.6476, 47.4178, 34.1662
YIQ	170.1090, -29.4290, -33.8530

# Conversions

## Conversions Part 2

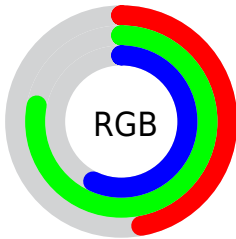
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 182, 200
Decimal	7981201
CIELab	74.46, -36.19, 20.05
CIELCh	74, 41.375, 151.012
Yxy	47.4178, 0.2920, 0.4115
Android (android.graphics.Color)	4286171281 (0xFF79C891)
YUV	170.1090, -12.3787, -43.0686
Hunter-Lab	68.8606, -33.2848, 18.7848

# Details

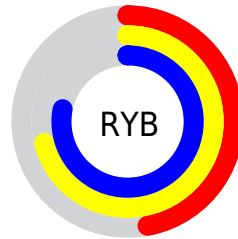
The Yxy color **47.4178, 0.2920, 0.4115** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.0838, 0.3430, 0.2592**, and the grayscale version is **40.3278, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8736, 0.2963, 0.3931**, and **22.2522, 0.2845, 0.4377** is the 20% darker color. If you saturate the color by 10%, you get **45.7183, 0.2880, 0.4372**, and if you desaturate by 10%, it is **49.4734, 0.2967, 0.3875**.

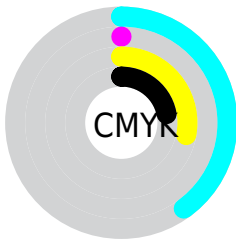
# Distribution



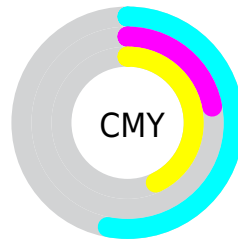
- Red (47%)
- Green (78%)
- Blue (57%)



- Red (47%)
- Yellow (71%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (28%)
- Black (22%)




- Cyan (53%)
- Magenta (22%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4178, 0.2920, 0.4115 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 47.4178, 0.2920, 0.4115 by changing the saturation by 10% instead.





 47.4178, 0.2920,  
0.4115


 47.4178, 0.2920,  
0.4115


376.4798, 0.3034,  
0.3683


 33.3661, 0.2888,  
0.4229


 86.3369, 0.2964,  
0.3953

 22.4070, 0.2845,  
0.4380


 111.9731, 0.2980,  
0.3894

 14.1563, 0.2783,  
0.4586


 142.2396, 0.2993,  
0.3844

 8.2294, 0.2690,  
0.4886

177.5207, 0.3004,  
0.3802

 4.2421, 0.2534,  
0.5357

218.2009, 0.3013,  
0.3766

 1.8099, 0.2287,  
0.6491

264.6645, 0.3021,

 0.4933, 0.0000,

0.3734

1.0000

317.2960, 0.3028,  
0.3707

0.0000, 0.0000,  
0.0000

47.4178, 0.2920,  
0.4115

47.4178, 0.2920,  
0.4115

45.7183, 0.2880,  
0.4372

49.4734, 0.2967,  
0.3875

44.3484, 0.2852,  
0.4638

51.8980, 0.3020,  
0.3655

43.2874, 0.2837,  
0.4905

54.7112, 0.3075,  
0.3457

42.5096, 0.2838,  
0.5160


57.9292, 0.3130,  
0.3282


41.9846, 0.2856,  
0.5390

61.5675, 0.3184,  
0.3128

 41.6604, 0.2886,  
0.5587

 65.6406, 0.3237,  
0.2992

 41.6468, 0.2888,  
0.5595

 69.0100, 0.3242,  
0.2869

 69.7921, 0.3152,  
0.2752

# Harmonies

## Analogous

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



47.4178, 0.3483, 0.4338



47.4178, 0.2920, 0.4115



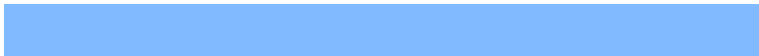
47.4178, 0.2439, 0.3593

# Triad

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



47.4178, 0.2920, 0.4115



47.4178, 0.2297, 0.2403



47.4178, 0.4205, 0.3407

# Complementary

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



47.4178, 0.2920, 0.4115



29.0838, 0.3430, 0.2592

# 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.



47.4178, 0.3828, 0.2976



47.4178, 0.2920, 0.4115



47.4178, 0.2701, 0.2422

# Square

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



47.4178, 0.2920, 0.4115



47.4178, 0.2108, 0.2599



47.4178, 0.3260, 0.2628



47.4178, 0.4253, 0.3849

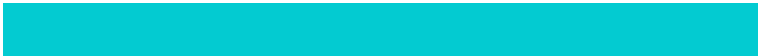


# Rectangle

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



47.4178, 0.2920, 0.4115



47.4178, 0.2224, 0.3200



47.4178, 0.3260, 0.2628



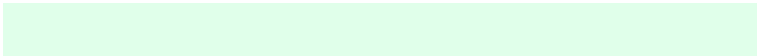
47.4178, 0.4112, 0.3259

# Sweetspot

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



47.4198, 0.2920, 0.4115



93.3546, 0.3060, 0.3508



51.9570, 0.3509, 0.4332



19.8404, 0.3053, 0.3534



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.



47.4198, 0.2920, 0.4115



79.6458, 0.2887, 0.4324



48.8446, 0.2677, 0.3514



11.9401, 0.3075, 0.3455



26.4924, 0.2881, 0.5571



1.2675, 0.2759, 0.5132



# Inverse Universe

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



29.0838, 0.3430, 0.2592



43.7217, 0.3515, 0.2453



27.7497, 0.3906, 0.3083



10.7596, 0.3183, 0.3131



9.0133, 0.4150, 0.2060

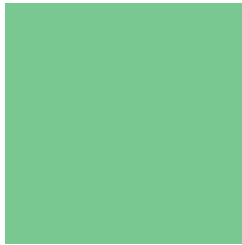


0.4392, 0.3909, 0.1927



# Previews

## White Background



This preview shows how the Yxy color 47.4178, 0.2920, 0.4115 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

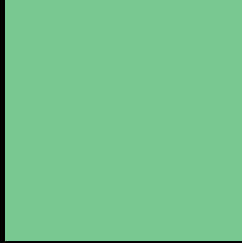
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.4178, 0.2920, 0.4115 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

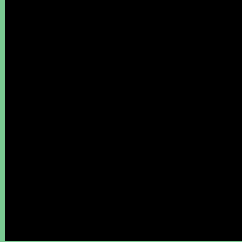
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.4178, 0.2920, 0.4115**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.4178, 0.2920, 0.4115.



This preview shows how white text looks on a background with the Yxy color 47.4178, 0.2920, 0.4115.

# 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

47.4178, 0.2920, 0.4115

### Protanopia

46.8641, 0.3615, 0.3872

### Deuteranopia

46.7108, 0.3676, 0.3600



## Tritanopia

47.3552, 0.2612, 0.3085

# Trichromacy



## Original Color

47.4178, 0.2920, 0.4115



## Protanomaly

46.6135, 0.3328, 0.3969



## Deuteranomaly

45.8841, 0.3363, 0.3778



## Tritanomaly

47.2367, 0.2726, 0.3445

# Monochromacy



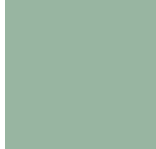
## Original Color

47.4178, 0.2920, 0.4115



## Achromatopsia

40.1978, 0.3127, 0.3290



## Achromatomaly

42.2964, 0.3038, 0.3579

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.4178, 0.2920, 0.4115 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, 200, 145)` looks like.

```
.text, #text, p{  
    color:rgb(121, 200, 145)  
}
```

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, 200, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 200, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 47.4178, 0.2920, 0.4115 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, 200, 145) }
```

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

```
.border{ border-color:rgb(121, 200, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 200, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 200, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 200, 145);  
box-shadow:4px 4px 4px 4px rgb(121, 200,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.4178, 0.2920, 0.4115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 200, 145) }
```

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

```
.background{ background-color: rgb(121,  
200, 145) }
```

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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