

# Converting Colors

Yxy(41.1744, 0.3127, 0.4480)

Have a look what the booklet for  
Yxy(41.1744, 0.3127, 0.4480)  
contains.

<b>Yxy(41.1518, 0.3124, 0.4477)</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(41.1518, 0.3124, 0.4477)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78BC71
RGB	120, 188, 113
RGB Percent	47%, 74%, 44%
CMY	0.5292, 0.2628, 0.5569
CMYK	0.36, 0.00, 0.40, 0.26
HSL	114°, 36%, 59%
HSV	114°, 40%, 74%
XYZ	28.7153, 41.1518, 22.0512
YIQ	159.1180, -16.4530, -37.7410

# Conversions

## Conversions Part 2

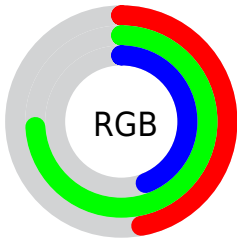
Format	Color
<code>RYB</code>	<code>113, 188, 181</code>
Decimal	<code>7912561</code>
CIELab	<code>70.28, -36.40, 31.31</code>
CIElCh	<code>70, 48.018, 139.300</code>
Yxy	<code>41.1518, 0.3124, 0.4477</code>
Android ( <code>android.graphics.Color</code> )	<code>4286102641 (0xFF78BC71)</code>
YUV	<code>159.1180, -22.7362, -34.3065</code>
Hunter-Lab	<code>64.1497, -32.3601, 24.5241</code>

# Details

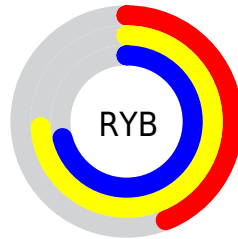
The Yxy color **41.1518, 0.3124, 0.4477** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **25.2563, 0.3095, 0.2297**, and the grayscale version is **34.8456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1719, 0.3138, 0.4232**, and **18.6137, 0.3080, 0.4872** is the 20% darker color. If you saturate the color by 10%, you get **39.6611, 0.3115, 0.4824**, and if you desaturate by 10%, it is **42.9503, 0.3129, 0.4140**.

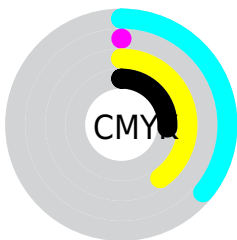
# Distribution



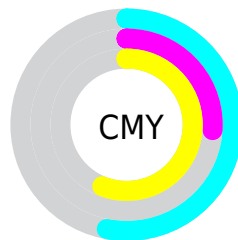
- Red (47%)
- Green (74%)
- Blue (44%)



- Red (44%)
- Yellow (74%)
- Blue (71%)



- Cyan (36%)
- Magenta (0%)
- Yellow (40%)
- Black (26%)




- Cyan (53%)
- Magenta (26%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1518, 0.3124, 0.4477 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 41.1518, 0.3124, 0.4477 by changing the saturation by 10% instead.





 41.1518, 0.3124,  
0.4477


 41.1518, 0.3124,  
0.4477


350.9547, 0.3148,  
0.3837


 28.4377, 0.3109,  
0.4651


 76.9143, 0.3139,  
0.4234


 18.6559, 0.3083,  
0.4883


 100.7315, 0.3142,  
0.4146

 11.4219, 0.3036,  
0.5203


 129.0185, 0.3145,  
0.4072

 6.3514, 0.2945,  
0.5670

 162.1597, 0.3146,  
0.4011

 3.0599, 0.2837,  
0.6610

200.5395, 0.3147,  
0.3958

 1.1631, 0.1425,  
0.8575

244.5424, 0.3147,


 0.0312, 0.0000,


0.3912


1.0000


294.5526, 0.3148,  
0.3872

 0.0000, 0.0000,  
0.0000

 41.1518, 0.3124,  
0.4477


 41.1518, 0.3124,  
0.4477


 39.6611, 0.3115,  
0.4824


 42.9503, 0.3129,  
0.4140


 38.4560, 0.3101,  
0.5162

 45.0670, 0.3131,  
0.3825

 37.5196, 0.3084,  
0.5467


 47.5181, 0.3130,  
0.3540


 36.8312, 0.3063,  
0.5714


 50.3173, 0.3127,  
0.3287

 36.3669, 0.3040,  
0.5884


 53.4775, 0.3123,  
0.3066

 36.0920, 0.3022,  
0.5982

 57.0109, 0.3118,  
0.2873

 36.0898, 0.3021,  
0.5983

 60.9291, 0.3113,  
0.2706

 64.4442, 0.3158,  
0.2634

# Harmonies

## Analogous

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



41.1518, 0.3790, 0.4545



41.1518, 0.3124, 0.4477



41.1518, 0.2494, 0.3941

# Triad

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



41.1518, 0.3124, 0.4477



41.1518, 0.2021, 0.2287



41.1518, 0.4304, 0.3207

# Complementary

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



41.1518, 0.3124, 0.4477



25.2563, 0.3095, 0.2297

# 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.



41.1518, 0.3719, 0.2735



41.1518, 0.3124, 0.4477



41.1518, 0.2397, 0.2225

# Square

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



41.1518, 0.3124, 0.4477



41.1518, 0.1906, 0.2611



41.1518, 0.3003, 0.2387



41.1518, 0.4519, 0.3731



# Rectangle

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



41.1518, 0.3124, 0.4477



41.1518, 0.2178, 0.3449



41.1518, 0.3003, 0.2387



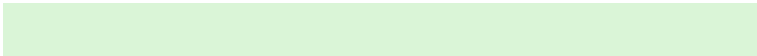
41.1518, 0.4141, 0.3040

# Sweetspot

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



41.1535, 0.3124, 0.4477



85.0466, 0.3130, 0.3603



44.7256, 0.3751, 0.4180



18.1610, 0.3130, 0.3640



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



41.1535, 0.3124, 0.4477



72.1577, 0.3116, 0.4786



41.4578, 0.2871, 0.4001



10.6914, 0.3130, 0.3526



24.5884, 0.3025, 0.5980



0.9778, 0.3116, 0.5908



# Inverse Universe

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



25.2563, 0.3095, 0.2297



39.2840, 0.3082, 0.2090



24.9690, 0.3520, 0.2679



9.6494, 0.3123, 0.3063



8.3312, 0.2976, 0.1413



0.3398, 0.3036, 0.1446



# Previews

## White Background



This preview shows how the Yxy color 41.1518, 0.3124, 0.4477 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 41.1518, 0.3124, 0.4477 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 41.1518, 0.3124, 0.4477**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.1518, 0.3124, 0.4477.



This preview shows how white text looks on a background with the Yxy color 41.1518, 0.3124, 0.4477.

# 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**

41.1518, 0.3124, 0.4477

**Protanopia**

40.7312, 0.3846, 0.4160

**Deuteranopia**

40.7202, 0.3940, 0.3865



## Tritanopia

41.2414, 0.2677, 0.3089

# Trichromacy



## Original Color

41.1518, 0.3124, 0.4477

## Protanomaly

40.3349, 0.3558, 0.4273

## Deuteranomaly

40.0557, 0.3606, 0.4081

## Tritanomaly

40.8821, 0.2843, 0.3561

# Monochromacy



## Original Color

41.1518, 0.3124, 0.4477

## Achromatopsia

34.6704, 0.3127, 0.3290

## Achromatomaly

36.7222, 0.3134, 0.3720

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.1518, 0.3124, 0.4477 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(120, 188, 113)` looks like.

```
.text, #text, p{  
    color:rgb(120, 188, 113)  
}
```

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(120, 188, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 188, 113) }
```

## Border

The CSS property to change the border of an element to Yxy 41.1518, 0.3124, 0.4477 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(120, 188, 113) }
```

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

```
.border{ border-color:rgb(120, 188, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 188, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 188, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 188, 113);  
box-shadow:4px 4px 4px 4px rgb(120, 188,  
113) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.1518, 0.3124, 0.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 188, 113) }
```

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

```
.background{ background-color: rgb(120,  
188, 113) }
```

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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