

# Converting Colors

Yxy(40.8193, 0.3023, 0.4502)

Have a look what the booklet for  
Yxy(40.8193, 0.3023, 0.4502)  
contains.

<b>Yxy(40.7982, 0.3028, 0.4505)</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(40.7982, 0.3028, 0.4505)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CBD72
RGB	108, 189, 114
RGB Percent	42%, 74%, 45%
CMY	0.5763, 0.2588, 0.5530
CMYK	0.43, 0.00, 0.40, 0.26
HSL	124°, 38%, 58%
HSV	124°, 43%, 74%
XYZ	27.4222, 40.7982, 22.3417
YIQ	156.2310, -24.2010, -40.4970

# Conversions

## Conversions Part 2

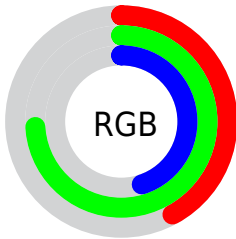
<b>Format</b>	<b>Color</b>
<b>RYB</b>	108, 183, 189
Decimal	7126386
CIELab	70.03, -40.45, 30.37
CIELCh	70, 50.582, 143.099
Yxy	40.7982, 0.3028, 0.4505
Android (android.graphics.Color)	4285316466 (0xFF6CBD72)
YUV	156.2310, -20.8199, -42.2986
Hunter-Lab	63.8735, -35.1449, 23.9730

# Details

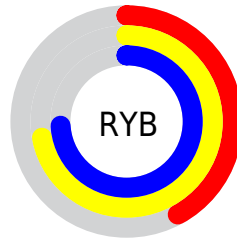
The Yxy color  $40.7982, 0.3028, 0.4505$  is a dark color, and the websafe version is hex  $66CC99$ . A complement of this color would be  $24.9753, 0.3241, 0.2319$ , and the grayscale version is  $33.4617, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $76.4881, 0.3058, 0.4251$ , and  $18.4665, 0.2954, 0.4920$  is the 20% darker color. If you saturate the color by 10%, you get  $39.3786, 0.3008, 0.4842$ , and if you desaturate by 10%, it is  $42.5545, 0.3051, 0.4178$ .

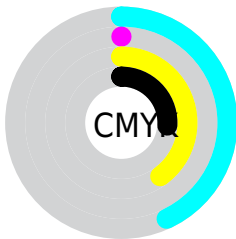
# Distribution



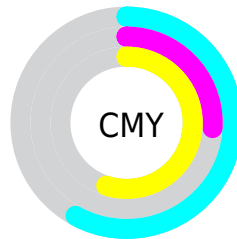
- Red (42%)
- Green (74%)
- Blue (45%)



- Red (42%)
- Yellow (72%)
- Blue (74%)



- Cyan (43%)
- Magenta (0%)
- Yellow (40%)
- Black (26%)




- Cyan (58%)
- Magenta (26%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7982, 0.3028, 0.4505 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 40.7982, 0.3028, 0.4505 by changing the saturation by 10% instead.




 40.7982, 0.3028,  
0.4505

 40.7982, 0.3028,  
0.4505


349.4765, 0.3102,  
0.3846


 28.1614, 0.3000,  
0.4686


 76.3775, 0.3061,  
0.4253


 18.4474, 0.2957,  
0.4928


 100.0887, 0.3072,  
0.4162

 11.2717, 0.2887,  
0.5265


 128.2603, 0.3080,  
0.4087

 6.2499, 0.2763,  
0.5761

 161.2766, 0.3086,  
0.4024

 2.9976, 0.2595,  
0.6749

199.5220, 0.3091,  
0.3970

 1.1305, 0.0571,  
0.9429

243.3808, 0.3095,

 0.0038, 0.0000,

0.3923

1.0000

293.2375, 0.3099,  
0.3882

■ 0.0000, 0.0000,  
0.0000

■ 40.7982, 0.3028,  
0.4505

■ 40.7982, 0.3028,  
0.4505

■ 39.3786, 0.3008,  
0.4842

■ 42.5545, 0.3051,  
0.4178

■ 38.2695, 0.2992,  
0.5170

■ 44.6615, 0.3075,  
0.3874

■ 37.4489, 0.2983,  
0.5466

■ 47.1390, 0.3098,  
0.3598


■ 36.8900, 0.2980,  
0.5708

■ 50.0034, 0.3121,  
0.3354

■ 36.5606, 0.2984,  
0.5878

■ 53.2704, 0.3142,  
0.3140

 36.4257, 0.2987,  
0.5954

 56.9548, 0.3162,  
0.2955

 61.0704, 0.3180,  
0.2795

 64.8166, 0.3164,  
0.2652

 64.8744, 0.3157,  
0.2644

# Harmonies

## Analogous

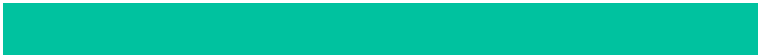
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.7982, 0.3735, 0.4634



40.7982, 0.3028, 0.4505



40.7982, 0.2386, 0.3884

# Triad

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



40.7982, 0.3028, 0.4505



40.7982, 0.2003, 0.2214



40.7982, 0.4424, 0.3265

# Complementary

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



40.7982, 0.3028, 0.4505



24.9753, 0.3241, 0.2319

# 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.



40.7982, 0.3844, 0.2763



40.7982, 0.3028, 0.4505



40.7982, 0.2427, 0.2184

# Square

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



40.7982, 0.3028, 0.4505



40.7982, 0.1848, 0.2513



40.7982, 0.3087, 0.2381



40.7982, 0.4590, 0.3813

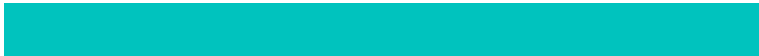


# Rectangle

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



40.7982, 0.3028, 0.4505



40.7982, 0.2079, 0.3355



40.7982, 0.3087, 0.2381



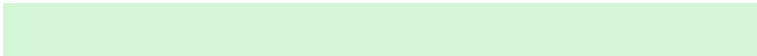
40.7982, 0.4269, 0.3089

# Sweetspot

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



40.7999, 0.3028, 0.4505



84.2485, 0.3097, 0.3608



47.6194, 0.3707, 0.4351



17.8948, 0.3092, 0.3666



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.



40.7999, 0.3028, 0.4505



70.7611, 0.3010, 0.4808



41.9159, 0.2768, 0.3840



10.6607, 0.3106, 0.3509



24.5134, 0.2985, 0.5944



0.9641, 0.2927, 0.5737



# Inverse Universe

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



24.9753, 0.3241, 0.2319



38.8340, 0.3269, 0.2137



23.5406, 0.3738, 0.2809



9.6839, 0.3149, 0.3080



9.3707, 0.3400, 0.1646



0.3707, 0.3349, 0.1619



# Previews

## White Background



This preview shows how the Yxy color 40.7982, 0.3028, 0.4505 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 40.7982, 0.3028, 0.4505 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 40.7982, 0.3028, 0.4505**

## Background



This preview shows how black text looks on a background with the Yxy color 40.7982, 0.3028, 0.4505.



This preview shows how white text looks on a background with the Yxy color 40.7982, 0.3028, 0.4505.

# 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

40.7982, 0.3028, 0.4505

### Protanopia

40.2501, 0.3834, 0.4139

### Deuteranopia

40.2470, 0.3926, 0.3843



## Tritanopia

40.4952, 0.2602, 0.3071

# Trichromacy



## Original Color

40.7982, 0.3028, 0.4505



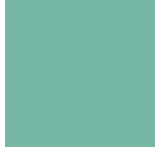
## Protanomaly

39.8392, 0.3502, 0.4275



## Deuteranomaly

39.1379, 0.3552, 0.4068



## Tritanomaly

40.5055, 0.2758, 0.3566

# Monochromacy



## Original Color

40.7982, 0.3028, 0.4505



## Achromatopsia

33.2452, 0.3127, 0.3290



## Achromatomaly

35.4173, 0.3089, 0.3714

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.7982, 0.3028, 0.4505 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(108, 189, 114)` looks like.

```
.text, #text, p{  
    color:rgb(108, 189, 114)  
}
```

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(108, 189, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 189, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 40.7982, 0.3028, 0.4505 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(108, 189, 114) }
```

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

```
.border{ border-color:rgb(108, 189, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 189, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 189, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 189, 114);  
box-shadow:4px 4px 4px 4px rgb(108, 189,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.7982, 0.3028, 0.4505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 189, 114) }
```

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

```
.background{ background-color: rgb(108,  
189, 114) }
```

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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