

# Converting Colors

$Y_{xy}(46.1037, 0.2854, 0.4052)$

Have a look what the booklet for  
Yxy(46.1037, 0.2854, 0.4052)  
contains.

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# Color

**Yxy(46.1037, 0.2854, 0.4052)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72C694
RGB	114, 198, 148
RGB Percent	45%, 78%, 58%
CMY	0.5532, 0.2235, 0.4196
CMYK	0.42, 0.00, 0.25, 0.22
HSL	144°, 42%, 61%
HSV	144°, 42%, 78%
XYZ	32.4728, 46.1037, 35.2036
YIQ	167.1840, -34.0140, -33.3580

# Conversions

## Conversions Part 2

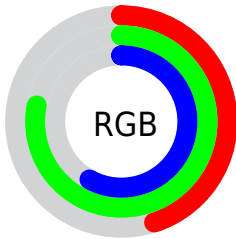
<b>Format</b>	<b>Color</b>
<b>RYB</b>	114, 174, 198
Decimal	7521940
CIELab	73.61, -36.72, 17.24
CIElCh	74, 40.565, 154.856
Yxy	46.1037, 0.2854, 0.4052
Android (android.graphics.Color)	4285712020 (0xFF72C694)
YUV	167.1840, -9.4577, -46.6424
Hunter-Lab	67.8997, -33.4574, 16.7901

# Details

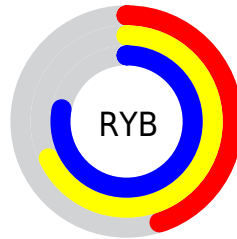
The Yxy color **46.1037, 0.2854, 0.4052** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **26.7075, 0.3562, 0.2643**, and the grayscale version is **38.7916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2193, 0.2909, 0.3902**, and **21.7394, 0.2762, 0.4310** is the 20% darker color. If you saturate the color by 10%, you get **44.5649, 0.2808, 0.4273**, and if you desaturate by 10%, it is **47.9716, 0.2910, 0.3844**.

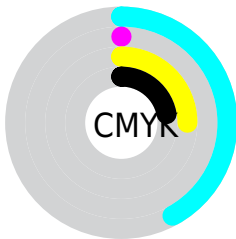
# Distribution



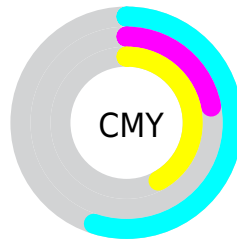
- Red (45%)
- Green (78%)
- Blue (58%)



- Red (45%)
- Yellow (68%)
- Blue (78%)



- Cyan (42%)
- Magenta (0%)
- Yellow (25%)
- Black (22%)




- Cyan (55%)
- Magenta (22%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1037, 0.2854, 0.4052 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 46.1037, 0.2854, 0.4052 by changing the saturation by 10% instead.




 46.1037, 0.2854,  
0.4052

 46.1037, 0.2854,  
0.4052

371.2254, 0.3000,  
0.3652


 32.3277, 0.2814,  
0.4158


 84.3742, 0.2909,  
0.3902

 21.6119, 0.2762,  
0.4299


 109.6374, 0.2929,  
0.3847

 13.5720, 0.2688,  
0.4492

 139.4985, 0.2946,  
0.3801

 7.8236, 0.2579,  
0.4775

174.3418, 0.2960,  
0.3762

 3.9823, 0.2401,  
0.5223

214.5517, 0.2972,  
0.3729

 1.6637, 0.2034,  
0.6313

260.5127, 0.2983,

 0.4000, 0.0000,

0.3700

1.0000

312.6092, 0.2992,  
0.3674

■ 0.0000, 0.0000,  
0.0000

■ 46.1037, 0.2854,  
0.4052

■ 46.1037, 0.2854,  
0.4052

■ 44.5649, 0.2808,  
0.4273

■ 47.9716, 0.2910,  
0.3844

■ 43.3298, 0.2776,  
0.4503

■ 50.1810, 0.2973,  
0.3653

■ 42.3779, 0.2761,  
0.4736

■ 52.7506, 0.3041,  
0.3480

■ 41.6840, 0.2764,  
0.4962

■ 55.6962, 0.3110,  
0.3325

■ 41.2180, 0.2786,  
0.5173


■ 59.0323, 0.3180,  
0.3188

 40.9764, 0.2811,  
0.5320

 62.7729, 0.3248,  
0.3067

 66.9312, 0.3314,  
0.2962

 68.0790, 0.3245,  
0.2851

 68.8108, 0.3160,  
0.2741

# Harmonies

## Analogous

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



46.1037, 0.3410, 0.4319



46.1037, 0.2854, 0.4052



46.1037, 0.2398, 0.3515

# Triad

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



46.1037, 0.2854, 0.4052



46.1037, 0.2345, 0.2402



46.1037, 0.4220, 0.3464

# Complementary

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



46.1037, 0.2854, 0.4052



26.7075, 0.3562, 0.2643

# 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.



46.1037, 0.3884, 0.3031



46.1037, 0.2854, 0.4052



46.1037, 0.2770, 0.2447

# Square

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



46.1037, 0.2854, 0.4052



46.1037, 0.2129, 0.2569



46.1037, 0.3334, 0.2671



46.1037, 0.4223, 0.3897



# Rectangle

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



46.1037, 0.2854, 0.4052



46.1037, 0.2203, 0.3130



46.1037, 0.3334, 0.2671



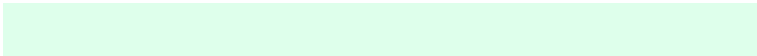
46.1037, 0.4142, 0.3316

# Sweetspot

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



46.1056, 0.2854, 0.4052



93.0403, 0.3036, 0.3492



49.5410, 0.3461, 0.4440



19.6864, 0.3020, 0.3530



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.



46.1056, 0.2854, 0.4052



79.0759, 0.2811, 0.4258



47.6680, 0.2602, 0.3409



11.9579, 0.3062, 0.3431



26.6602, 0.2804, 0.5295



1.2766, 0.2686, 0.4868



# Inverse Universe

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



26.7075, 0.3562, 0.2643



40.1938, 0.3700, 0.2510



25.4427, 0.4105, 0.3181



10.7411, 0.3198, 0.3153



8.6723, 0.4546, 0.2278



0.4247, 0.4195, 0.2085



# Previews

## White Background



This preview shows how the Yxy color 46.1037, 0.2854, 0.4052 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 46.1037, 0.2854, 0.4052 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

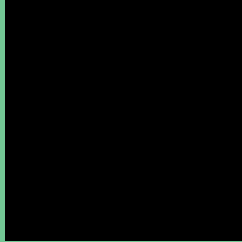
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.1037, 0.2854, 0.4052**

## Background



This preview shows how black text looks on a background with the Yxy color 46.1037, 0.2854, 0.4052.

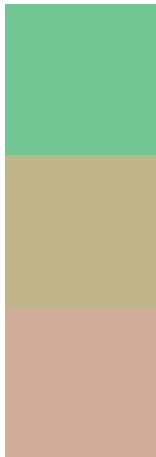


This preview shows how white text looks on a background with the Yxy color 46.1037, 0.2854, 0.4052.

# 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

46.1037, 0.2854, 0.4052

### Protanopia

45.7131, 0.3577, 0.3828

### Deuteranopia

45.4524, 0.3617, 0.3542



## Tritanopia

45.7952, 0.2565, 0.3067

# Trichromacy



## Original Color

46.1037, 0.2854, 0.4052



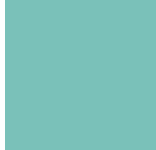
## Protanomaly

45.3862, 0.3281, 0.3923



## Deuteranomaly

44.5745, 0.3298, 0.3717



## Tritanomaly

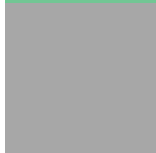
45.7803, 0.2666, 0.3404

# Monochromacy



## Original Color

46.1037, 0.2854, 0.4052



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

40.6748, 0.3013, 0.3554

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.1037, 0.2854, 0.4052 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(114, 198, 148)` looks like.

```
.text, #text, p{  
    color:rgb(114, 198, 148)  
}
```

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(114, 198, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 198, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 46.1037, 0.2854, 0.4052 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(114, 198, 148) }
```

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

```
.border{ border-color:rgb(114, 198, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 198, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 198, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 198, 148);  
box-shadow:4px 4px 4px 4px rgb(114, 198,  
148) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.1037, 0.2854, 0.4052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 198, 148) }
```

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

```
.background{ background-color: rgb(114,  
198, 148) }
```

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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