

Converting Colors

$Yxy(41.6788, 0.2895, 0.4064)$

Have a look what the booklet for
Yxy(41.6788, 0.2895, 0.4064)
contains.

Yxy(41.7994, 0.2892, 0.4064)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.7994, 0.2892, 0.4064)

Conversions

Conversions Part 1

Format	Color
Hex	71BD8C
RGB	113, 189, 140
RGB Percent	44%, 74%, 55%
CMY	0.5567, 0.2588, 0.4510
CMYK	0.40, 0.00, 0.26, 0.26
HSL	141°, 37%, 59%
HSV	141°, 40%, 74%
XYZ	29.7450, 41.7994, 31.3084
YIQ	160.6900, -29.5670, -31.3510

Conversions

Conversions Part 2

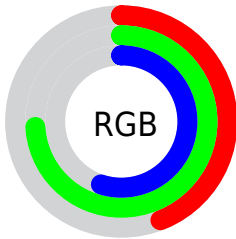
Format	Color
RYB	113, 169, 189
Decimal	7454092
CIELab	70.73, -34.38, 17.53
CIElCh	71, 38.593, 152.982
Yxy	41.7994, 0.2892, 0.4064
Android (android.graphics.Color)	4285644172 (0xFF71BD8C)
YUV	160.6900, -10.2002, -41.8241
Hunter-Lab	64.6525, -31.0182, 16.5451

Details

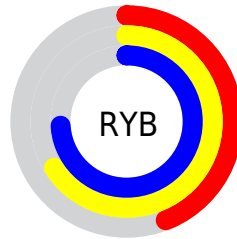
The Yxy color **41.7994, 0.2892, 0.4064** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **25.2493, 0.3482, 0.2630**, and the grayscale version is **35.5529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1314, 0.2942, 0.3907**, and **19.0268, 0.2806, 0.4315** is the 20% darker color. If you saturate the color by 10%, you get **40.3348, 0.2848, 0.4301**, and if you desaturate by 10%, it is **43.5684, 0.2944, 0.3842**.

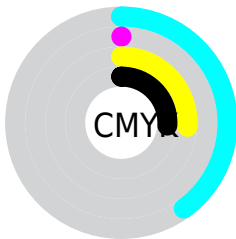
Distribution



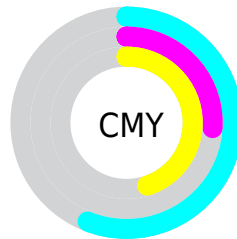
- Red (44%)
- Green (74%)
- Blue (55%)



- Red (44%)
- Yellow (66%)
- Blue (74%)



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




- Cyan (56%)
- Magenta (26%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.7994, 0.2892, 0.4064 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 41.7994, 0.2892, 0.4064 by changing the saturation by 10% instead.

 41.7994, 0.2892,
0.4064


 41.7994, 0.2892,
0.4064


353.6507, 0.3021,
0.3651


 28.9442, 0.2856,
0.4176


 77.8959, 0.2942,
0.3907

 19.0387, 0.2806,
0.4326


 101.9061, 0.2960,
0.3851

 11.6982, 0.2736,
0.4534


 130.4034, 0.2974,
0.3803

 6.5385, 0.2627,
0.4846

163.7722, 0.2987,
0.3763

 3.1752, 0.2441,
0.5354

202.3970, 0.2997,
0.3729

 1.2239, 0.1833,
0.7737

246.6621, 0.3006,

 0.0811, 0.0000,

0.3700

1.0000

296.9518, 0.3014,
0.3674

0.0000, 0.0000,
0.0000

41.7994, 0.2892,
0.4064

41.7994, 0.2892,
0.4064

40.3348, 0.2848,
0.4301

43.5684, 0.2944,
0.3842

39.1517, 0.2817,
0.4548

45.6528, 0.3003,
0.3639

38.2325, 0.2800,
0.4797


48.0692, 0.3064,
0.3456


37.5549, 0.2801,
0.5039


50.8316, 0.3126,
0.3293

37.0929, 0.2819,
0.5263


53.9534, 0.3188,
0.3149

 36.8001, 0.2850,
0.5458

 57.4468, 0.3248,
0.3022

 61.3239, 0.3306,
0.2912

 63.8005, 0.3288,
0.2804

 64.5399, 0.3196,
0.2691

Harmonies

Analogous

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



41.7994, 0.3440, 0.4305



41.7994, 0.2892, 0.4064



41.7994, 0.2433, 0.3547

Triad

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



41.7994, 0.2892, 0.4064



41.7994, 0.2337, 0.2420



41.7994, 0.4189, 0.3436

Complementary

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



41.7994, 0.2892, 0.4064



25.2493, 0.3482, 0.2630

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.



41.7994, 0.3841, 0.3011



41.7994, 0.2892, 0.4064



41.7994, 0.2745, 0.2451

Square

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



41.7994, 0.2892, 0.4064



41.7994, 0.2138, 0.2598



41.7994, 0.3295, 0.2662



41.7994, 0.4214, 0.3864

Rectangle

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



41.7994, 0.2892, 0.4064



41.7994, 0.2232, 0.3168



41.7994, 0.3295, 0.2662



41.7994, 0.4106, 0.3290

Sweetspot

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



41.8011, 0.2892, 0.4064



85.1778, 0.3051, 0.3491



45.3122, 0.3479, 0.4359



18.1921, 0.3043, 0.3514



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.



41.8011, 0.2892, 0.4064



72.5828, 0.2854, 0.4267



43.1063, 0.2649, 0.3459



10.7041, 0.3069, 0.3442



24.7743, 0.2843, 0.5435



0.9830, 0.2702, 0.4925

Inverse Universe

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



25.2493, 0.3482, 0.2630



38.9488, 0.3588, 0.2495



24.1052, 0.3973, 0.3134



9.6372, 0.3190, 0.3143



8.2386, 0.4342, 0.2165



0.3347, 0.4005, 0.1980

Previews

White Background



This preview shows how the Yxy color 41.7994, 0.2892, 0.4064 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 41.7994, 0.2892, 0.4064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

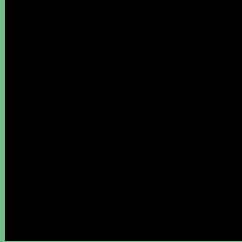
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.7994, 0.2892, 0.4064

Background



This preview shows how black text looks on a background with the Yxy color 41.7994, 0.2892, 0.4064.



This preview shows how white text looks on a background with the Yxy color 41.7994, 0.2892, 0.4064.

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

41.7994, 0.2892, 0.4064

Protanopia

41.3613, 0.3588, 0.3836

Deuteranopia

41.3225, 0.3627, 0.3565



Tritanopia

41.8770, 0.2603, 0.3088

Trichromacy



Original Color

41.7994, 0.2892, 0.4064



Protanomaly

40.8592, 0.3299, 0.3919



Deuteranomaly

40.4708, 0.3324, 0.3733



Tritanomaly

41.8975, 0.2702, 0.3423

Monochromacy



Original Color

41.7994, 0.2892, 0.4064



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

37.3550, 0.3035, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7994, 0.2892, 0.4064 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(113, 189, 140)` looks like.

```
.text, #text, p{  
    color:rgb(113, 189, 140)  
}
```

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(113, 189, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 189, 140) }
```

Border

The CSS property to change the border of an element to Yxy 41.7994, 0.2892, 0.4064 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(113, 189, 140) }
```

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

```
.border{ border-color:rgb(113, 189, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 189, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 189, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 189, 140);  
box-shadow:4px 4px 4px 4px rgb(113, 189,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7994, 0.2892, 0.4064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 189, 140) }
```

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

```
.background{ background-color: rgb(113,  
189, 140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor