

Converting Colors

$Yxy(40.9731, 0.3090, 0.4491)$

Have a look what the booklet for
Yxy(40.9731, 0.3090, 0.4491)
contains.

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Color

Yxy(40.8717, 0.3093, 0.4488)

Conversions

Conversions Part 1

Format	Color
Hex	74BC71
RGB	116, 188, 113
RGB Percent	45%, 74%, 44%
CMY	0.5451, 0.2627, 0.5568
CMYK	0.38, 0.00, 0.40, 0.26
HSL	118°, 36%, 59%
HSV	118°, 40%, 74%
XYZ	28.1676, 40.8717, 22.0296
YIQ	157.9220, -18.8370, -38.5890

Conversions

Conversions Part 2

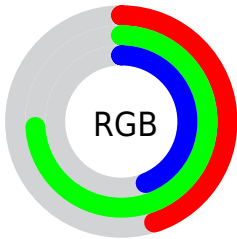
Format	Color
RYB	113, 188, 185
Decimal	7650417
CIELab	70.09, -37.70, 31.01
CIElCh	70, 48.820, 140.563
Yxy	40.8717, 0.3093, 0.4488
Android (android.graphics.Color)	4285840497 (0xFF74BC71)
YUV	157.9220, -22.1465, -36.7656
Hunter-Lab	63.9310, -33.2332, 24.3213

Details

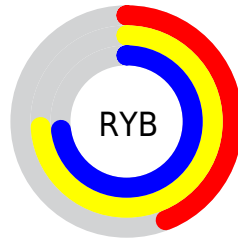
The Yxy color **40.8717, 0.3093, 0.4488** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **25.7579, 0.3140, 0.2311**, and the grayscale version is **34.2655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7159, 0.3113, 0.4239**, and **18.4771, 0.3043, 0.4890** is the 20% darker color. If you saturate the color by 10%, you get **39.3737, 0.3079, 0.4841**, and if you desaturate by 10%, it is **42.7011, 0.3105, 0.4146**.

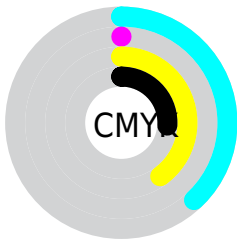
Distribution



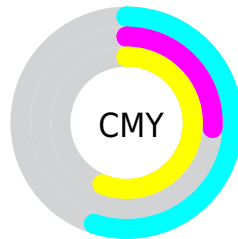
- Red (45%)
- Green (74%)
- Blue (44%)



- Red (44%)
- Yellow (74%)
- Blue (73%)



- Cyan (38%)
- Magenta (0%)
- Yellow (40%)
- Black (26%)





- Cyan (55%)
- Magenta (26%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8717, 0.3093, 0.4488 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 40.8717, 0.3093, 0.4488 by changing the saturation by 10% instead.

 40.8717, 0.3093,
0.4488


 40.8717, 0.3093,
0.4488


349.7841, 0.3133,
0.3841


 28.2188, 0.3074,
0.4665


 76.4891, 0.3114,
0.4241

 18.4907, 0.3042,
0.4901


 100.2224, 0.3120,
0.4152

 11.3029, 0.2988,
0.5228


 128.4180, 0.3124,
0.4078

 6.2709, 0.2885,
0.5707

 161.4603, 0.3127,
0.4016

 3.0105, 0.2760,
0.6679

199.7337, 0.3129,
0.3962

 1.1372, 0.1102,
0.8898

243.6225, 0.3131,


 0.0095, 0.0000,


0.3916


1.0000


293.5112, 0.3132,
0.3876

 0.0000, 0.0000,
0.0000


 40.8717, 0.3093,
0.4488


 40.8717, 0.3093,
0.4488


 39.3737, 0.3079,
0.4841

 42.7011, 0.3105,
0.4146

 38.1826, 0.3064,
0.5183


 44.8746, 0.3114,
0.3828


 37.2786, 0.3047,
0.5491


 47.4105, 0.3122,
0.3541

 36.6374, 0.3031,
0.5736


 50.3243, 0.3127,
0.3287


 36.2309, 0.3017,
0.5902

 53.6305, 0.3131,
0.3066

 36.0175, 0.3008,
0.5993

 57.3429, 0.3135,
0.2875

 36.0158, 0.3008,
0.5993

 61.4748, 0.3137,
0.2710

 64.4472, 0.3158,
0.2634

Harmonies

Analogous

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



40.8717, 0.3773, 0.4575



40.8717, 0.3093, 0.4488



40.8717, 0.2458, 0.3924

Triad

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



40.8717, 0.3093, 0.4488



40.8717, 0.2014, 0.2262



40.8717, 0.4344, 0.3226

Complementary

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



40.8717, 0.3093, 0.4488



25.7579, 0.3140, 0.2311

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.



40.8717, 0.3760, 0.2743



40.8717, 0.3093, 0.4488



40.8717, 0.2405, 0.2210

Square

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



40.8717, 0.3093, 0.4488



40.8717, 0.1886, 0.2578



40.8717, 0.3029, 0.2384



40.8717, 0.4544, 0.3758

Rectangle

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



40.8717, 0.3093, 0.4488



40.8717, 0.2145, 0.3419



40.8717, 0.3029, 0.2384



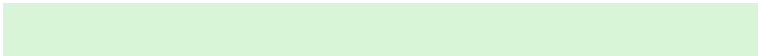
40.8717, 0.4183, 0.3056

Sweetspot

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



40.8734, 0.3093, 0.4488



84.8024, 0.3120, 0.3604



46.2700, 0.3734, 0.4222



18.1039, 0.3119, 0.3641



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.



40.8734, 0.3093, 0.4488



71.6292, 0.3081, 0.4802



41.5776, 0.2846, 0.3939



10.6673, 0.3122, 0.3527



24.5287, 0.3010, 0.5992



0.9671, 0.3050, 0.5960

Inverse Universe

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



25.7579, 0.3140, 0.2311



40.3783, 0.3139, 0.2111



24.8457, 0.3567, 0.2727



9.6763, 0.3132, 0.3063



9.1258, 0.3111, 0.1487



0.3636, 0.3136, 0.1501

Previews

White Background



This preview shows how the Yxy color 40.8717, 0.3093, 0.4488 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 40.8717, 0.3093, 0.4488 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 40.8717, 0.3093, 0.4488

Background



This preview shows how black text looks on a background with the Yxy color 40.8717, 0.3093, 0.4488.



This preview shows how white text looks on a background with the Yxy color 40.8717, 0.3093, 0.4488.

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

40.8717, 0.3093, 0.4488

Protanopia

40.2292, 0.3842, 0.4152

Deuteranopia

40.2228, 0.3935, 0.3855



Tritanopia

40.9157, 0.2649, 0.3087

Trichromacy



Original Color

40.8717, 0.3093, 0.4488



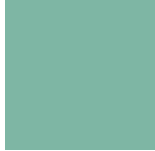
Protanomaly

40.1255, 0.3538, 0.4279



Deuteranomaly

39.4473, 0.3590, 0.4074



Tritanomaly

40.5719, 0.2813, 0.3563

Monochromacy



Original Color

40.8717, 0.3093, 0.4488



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

36.1686, 0.3117, 0.3708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8717, 0.3093, 0.4488 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(116, 188, 113)` looks like.

```
.text, #text, p{  
    color:rgb(116, 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(116, 188, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 188, 113) }
```

Border

The CSS property to change the border of an element to Yxy 40.8717, 0.3093, 0.4488 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(116, 188, 113) }
```

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

```
.border{ border-color:rgb(116, 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(116, 188, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 188, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 188, 113);  
box-shadow:4px 4px 4px 4px rgb(116, 188,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8717, 0.3093, 0.4488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 188, 113) }
```

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

```
.background{ background-color: rgb(116,  
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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