

Converting Colors

Yxy(40.8299, 0.3067, 0.4512)

Have a look what the booklet for
Yxy(40.8299, 0.3067, 0.4512)
contains.

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Color

Yxy(41.0322, 0.3063, 0.4511)

Conversions

Conversions Part 1

Format	Color
Hex	70BD71
RGB	112, 189, 113
RGB Percent	44%, 74%, 44%
CMY	0.5607, 0.2588, 0.5570
CMYK	0.41, 0.00, 0.40, 0.26
HSL	121°, 37%, 59%
HSV	121°, 41%, 74%
XYZ	27.8611, 41.0322, 22.0670
YIQ	157.3130, -21.4960, -39.9600

Conversions

Conversions Part 2

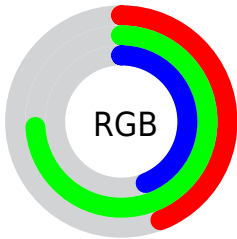
Format	Color
RYB	112, 188, 189
Decimal	7388529
CIELab	70.20, -39.40, 31.14
CIElCh	70, 50.223, 141.681
Yxy	41.0322, 0.3063, 0.4511
Android (android.graphics.Color)	4285578609 (0xFF70BD71)
YUV	157.3130, -21.8463, -39.7395
Hunter-Lab	64.0564, -34.4606, 24.4145

Details

The Yxy color **41.0322, 0.3063, 0.4511** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **26.0450, 0.3184, 0.2312**, and the grayscale version is **33.9748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8802, 0.3088, 0.4256**, and **18.5977, 0.3000, 0.4923** is the 20% darker color. If you saturate the color by 10%, you get **39.5433, 0.3046, 0.4864**, and if you desaturate by 10%, it is **42.8713, 0.3080, 0.4168**.

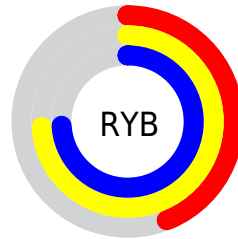
Distribution



Red (44%)

Green (74%)

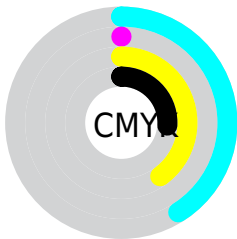
Blue (44%)



Red (44%)

Yellow (74%)

Blue (74%)

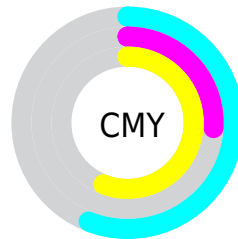


Cyan (41%)

Magenta (0%)

Yellow (40%)

Black (26%)



Cyan (56%)


Magenta (26%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.0322, 0.3063, 0.4511 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 41.0322, 0.3063, 0.4511 by changing the saturation by 10% instead.


 41.0322, 0.3063,
0.4511

 41.0322, 0.3063,
0.4511


350.4552, 0.3119,
0.3850

 28.3442, 0.3039,
0.4692


 76.7328, 0.3090,
0.4259

 18.5853, 0.3002,
0.4933


 100.5142, 0.3098,
0.4168

 11.3710, 0.2940,
0.5268


 128.7622, 0.3104,
0.4092

 6.3170, 0.2825,
0.5759

 161.8612, 0.3109,
0.4029

 3.0388, 0.2679,
0.6749

200.1956, 0.3112,
0.3974

 1.1520, 0.0880,
0.9120

244.1498, 0.3115,

 0.0220, 0.0000,

0.3927

1.0000

294.1082, 0.3117,
0.3886

■ 0.0000, 0.0000,
0.0000

■ 41.0322, 0.3063,
0.4511

■ 41.0322, 0.3063,
0.4511

■ 39.5433, 0.3046,
0.4864

■ 42.8713, 0.3080,
0.4168

■ 38.3776, 0.3030,
0.5206

■ 45.0751, 0.3097,
0.3849

■ 37.5126, 0.3016,
0.5511

■ 47.6639, 0.3112,
0.3561

■ 36.9207, 0.3006,
0.5752


■ 50.6548, 0.3126,
0.3307

■ 36.5693, 0.3001,
0.5912

■ 54.0638, 0.3138,
0.3086

 36.4012, 0.2998,
0.5992

 57.9062, 0.3149,
0.2896

 62.1965, 0.3159,
0.2733

 64.8760, 0.3157,
0.2644

Harmonies

Analogous

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



41.0322, 0.3762, 0.4616



41.0322, 0.3063, 0.4511



41.0322, 0.2418, 0.3914

Triad

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



41.0322, 0.3063, 0.4511



41.0322, 0.1998, 0.2231



41.0322, 0.4393, 0.3241

Complementary

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



41.0322, 0.3063, 0.4511



26.0450, 0.3184, 0.2312

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.



41.0322, 0.3804, 0.2746



41.0322, 0.3063, 0.4511



41.0322, 0.2407, 0.2188

Square

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



41.0322, 0.3063, 0.4511



41.0322, 0.1857, 0.2541



41.0322, 0.3053, 0.2374



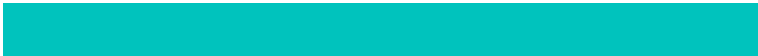
41.0322, 0.4580, 0.3785

Rectangle

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



41.0322, 0.3063, 0.4511



41.0322, 0.2105, 0.3391



41.0322, 0.3053, 0.2374



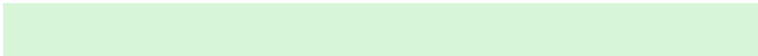
41.0322, 0.4233, 0.3067

Sweetspot

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



41.0339, 0.3063, 0.4511



84.6422, 0.3110, 0.3601



48.3854, 0.3728, 0.4284



18.0665, 0.3108, 0.3637



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.



41.0339, 0.3063, 0.4511



71.0475, 0.3047, 0.4831



42.0607, 0.2816, 0.3892



10.6515, 0.3114, 0.3524



24.4922, 0.2997, 0.5991



0.9600, 0.2987, 0.5954

Inverse Universe

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



26.0450, 0.3184, 0.2312



40.4952, 0.3196, 0.2117



24.6307, 0.3629, 0.2765



9.6942, 0.3140, 0.3067



9.6842, 0.3240, 0.1558



0.3800, 0.3232, 0.1554

Previews

White Background



This preview shows how the Yxy color 41.0322, 0.3063, 0.4511 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 41.0322, 0.3063, 0.4511 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 41.0322, 0.3063, 0.4511

Background



This preview shows how black text looks on a background with the Yxy color 41.0322, 0.3063, 0.4511.



This preview shows how white text looks on a background with the Yxy color 41.0322, 0.3063, 0.4511.

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

41.0322, 0.3063, 0.4511

Protanopia

40.6055, 0.3837, 0.4164

Deuteranopia

40.3637, 0.3945, 0.3853



Tritanopia

40.7244, 0.2622, 0.3072

Trichromacy



Original Color

41.0322, 0.3063, 0.4511



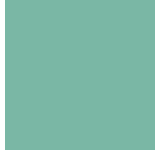
Protanomaly

40.3158, 0.3516, 0.4298



Deuteranomaly

39.4473, 0.3590, 0.4074



Tritanomaly

40.7212, 0.2779, 0.3564

Monochromacy



Original Color

41.0322, 0.3063, 0.4511



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

35.9617, 0.3107, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0322, 0.3063, 0.4511 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(112, 189, 113)` looks like.

```
.text, #text, p{  
    color:rgb(112, 189, 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(112, 189, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 189, 113) }
```

Border

The CSS property to change the border of an element to Yxy 41.0322, 0.3063, 0.4511 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(112, 189, 113) }
```

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

```
.border{ border-color:rgb(112, 189, 113) }
```

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

Here you see how a box with a 4 pixel rgb(112, 189, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 189, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 189, 113);  
box-shadow:4px 4px 4px 4px rgb(112, 189,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0322, 0.3063, 0.4511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 189, 113) }
```

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

```
.background{ background-color: rgb(112,  
189, 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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