

Converting Colors

$Yxy(41.1032, 0.3027, 0.4759)$

Have a look what the booklet for
Yxy(41.1032, 0.3027, 0.4759)
contains.

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Color

Yxy(41.2000, 0.3026, 0.4762)

Conversions

Conversions Part 1

Format	Color
Hex	61C066
RGB	97, 192, 102
RGB Percent	38%, 75%, 40%
CMY	0.6194, 0.2471, 0.6001
CMYK	0.49, 0.00, 0.47, 0.25
HSL	123°, 43%, 57%
HSV	123°, 49%, 75%
XYZ	26.1804, 41.2000, 19.1378
YIQ	153.3350, -27.7300, -48.1300

Conversions

Conversions Part 2

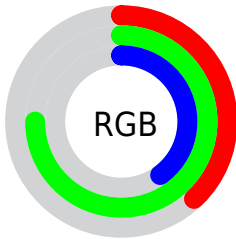
Format	Color
RYB	97, 187, 192
Decimal	6406246
CIELab	70.32, -46.73, 36.79
CIELCh	70, 59.471, 141.786
Yxy	41.2000, 0.3026, 0.4762
Android (android.graphics.Color)	4284596326 (0xFF61C066)
YUV	153.3350, -25.3082, -49.4058
Hunter-Lab	64.1872, -39.5218, 27.2534

Details

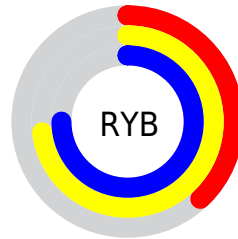
The Yxy color **41.2000, 0.3026, 0.4762** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **23.3546, 0.3238, 0.2161**, and the grayscale version is **32.1351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.8568, 0.3067, 0.4460**, and **18.8000, 0.2934, 0.5286** is the 20% darker color. If you saturate the color by 10%, you get **39.9487, 0.3009, 0.5100**, and if you desaturate by 10%, it is **42.7893, 0.3046, 0.4420**.

Distribution



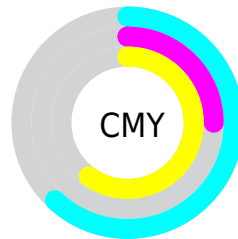
- Red (38%)
- Green (75%)
- Blue (40%)



- Red (38%)
- Yellow (73%)
- Blue (75%)



- Cyan (49%)
- Magenta (0%)
- Yellow (47%)
- Black (25%)




- Cyan (62%)
- Magenta (25%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2000, 0.3026, 0.4762 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 41.2000, 0.3026, 0.4762 by changing the saturation by 10% instead.


 41.2000, 0.3026,
0.4762


 41.2000, 0.3026,
0.4762


351.1558, 0.3112,
0.3960


 28.4754, 0.2990,
0.4982


 76.9874, 0.3067,
0.4456


 18.6843, 0.2934,
0.5274


 100.8190, 0.3079,
0.4345

 11.4424, 0.2841,
0.5677


 129.1217, 0.3088,
0.4253

 6.3652, 0.2673,
0.6258

 162.2799, 0.3096,
0.4176

 3.0684, 0.2470,
0.7530

200.6781, 0.3101,
0.4110

 1.1676, 0.0000,
1.0000

244.7005, 0.3105,

 0.0350, 0.0000,

0.4053


1.0000

294.7316, 0.3109,
0.4004

 0.0000, 0.0000,
0.0000

 41.2000, 0.3026,
0.4762

 41.2000, 0.3026,
0.4762


 39.9487, 0.3009,
0.5100


 42.7893, 0.3046,
0.4420

 39.0063, 0.2997,
0.5411

 44.7329, 0.3067,
0.4092


 38.3473, 0.2990,
0.5670

 47.0526, 0.3088,
0.3789

 37.9398, 0.2990,
0.5856

 49.7666, 0.3109,
0.3517

 37.7297, 0.2992,
0.5965

 52.8920, 0.3128,
0.3278

 37.7208, 0.2991,
0.5969

 56.4451, 0.3146,
0.3069

 60.4410, 0.3162,
0.2889

 64.8943, 0.3177,
0.2735

 66.1789, 0.3156,
0.2673

Harmonies

Analogous

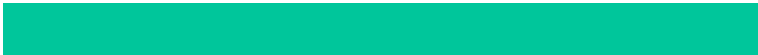
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.2000, 0.3837, 0.4850



41.2000, 0.3026, 0.4762



41.2000, 0.2286, 0.4033

Triad

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



41.2000, 0.3026, 0.4762



41.2000, 0.1830, 0.2064



41.2000, 0.4626, 0.3213

Complementary

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



41.2000, 0.3026, 0.4762



23.3546, 0.3238, 0.2161

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.



41.2000, 0.3924, 0.2658



41.2000, 0.3026, 0.4762



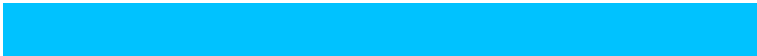
41.2000, 0.2289, 0.2026

Square

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



41.2000, 0.3026, 0.4762



41.2000, 0.1670, 0.2401



41.2000, 0.3034, 0.2238



41.2000, 0.4827, 0.3827

Rectangle

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



41.2000, 0.3026, 0.4762



41.2000, 0.1935, 0.3392



41.2000, 0.3034, 0.2238



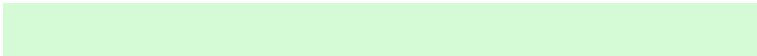
41.2000, 0.4437, 0.3018

Sweetspot

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



41.2017, 0.3026, 0.4762



87.2416, 0.3097, 0.3671



49.1593, 0.3801, 0.4496



18.4982, 0.3093, 0.3730



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.2017, 0.3026, 0.4762



72.2893, 0.3008, 0.5116



42.4213, 0.2736, 0.3970



11.2671, 0.3109, 0.3515



25.3859, 0.2989, 0.5961



1.0998, 0.2950, 0.5820

Inverse Universe

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



23.3546, 0.3238, 0.2161



36.3235, 0.3264, 0.1968



21.6509, 0.3858, 0.2718



10.2382, 0.3145, 0.3075



9.8175, 0.3342, 0.1615



0.4270, 0.3310, 0.1597

Previews

White Background



This preview shows how the Yxy color 41.2000, 0.3026, 0.4762 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 41.2000, 0.3026, 0.4762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

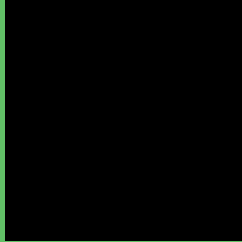
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.2000, 0.3026, 0.4762

Background



This preview shows how black text looks on a background with the Yxy color 41.2000, 0.3026, 0.4762.



This preview shows how white text looks on a background with the Yxy color 41.2000, 0.3026, 0.4762.

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

41.2000, 0.3026, 0.4762

Protanopia

40.6253, 0.3953, 0.4303

Deuteranopia

40.4203, 0.4057, 0.3970



Tritanopia

40.8848, 0.2550, 0.3070

Trichromacy



Original Color

41.2000, 0.3026, 0.4762



Protanomaly

40.0718, 0.3563, 0.4491



Deuteranomaly

39.4197, 0.3623, 0.4268



Tritanomaly

40.6216, 0.2721, 0.3648

Monochromacy



Original Color

41.2000, 0.3026, 0.4762



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

34.3452, 0.3093, 0.3822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2000, 0.3026, 0.4762 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(97, 192, 102)` looks like.

```
.text, #text, p{  
    color:rgb(97, 192, 102)  
}
```

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(97, 192, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 192, 102) }
```

Border

The CSS property to change the border of an element to Yxy 41.2000, 0.3026, 0.4762 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(97, 192, 102) }
```

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

```
.border{ border-color:rgb(97, 192, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 192, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 192, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 192, 102);  
box-shadow:4px 4px 4px 4px rgb(97, 192,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2000, 0.3026, 0.4762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 192, 102) }
```

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

```
.background{ background-color: rgb(97, 192,  
102) }
```

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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