

Converting Colors

$Yxy(42.4805, 0.3062, 0.4661)$

Have a look what the booklet for
Yxy(42.4805, 0.3062, 0.4661)
contains.

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Color

Yxy(42.3273, 0.3063, 0.4665)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6BC16B |
| RGB | 107, 193, 107 |
| RGB Percent | 42%, 76%, 42% |
| CMY | 0.5802, 0.2431, 0.5804 |
| CMYK | 0.45, 0.00, 0.45, 0.24 |
| HSL | 120°, 41%, 59% |
| HSV | 120°, 45%, 76% |
| XYZ | 27.7918, 42.3273, 20.6147 |
| YIQ | 157.4820, -23.6500, -44.9780 |

Conversions

Conversions Part 2

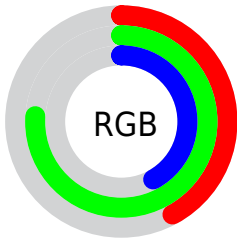
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 107, 193, 193 |
| Decimal | 7061867 |
| CIELab | 71.10, -43.55, 35.32 |
| CIELCh | 71, 56.073, 140.953 |
| Yxy | 42.3273, 0.3063, 0.4665 |
| Android (android.graphics.Color) | 4285251947 (0xFF6BC16B) |
| YUV | 157.4820, -24.8876, -44.2727 |
| Hunter-Lab | 65.0594, -37.6033, 26.7550 |

Details

The Yxy color **42.3273, 0.3063, 0.4665** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.6960, 0.3177, 0.2215**, and the grayscale version is **34.0741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6958, 0.3093, 0.4376**, and **19.4645, 0.2997, 0.5145** is the 20% darker color. If you saturate the color by 10%, you get **40.9013, 0.3046, 0.5020**, and if you desaturate by 10%, it is **44.1142, 0.3080, 0.4311**.

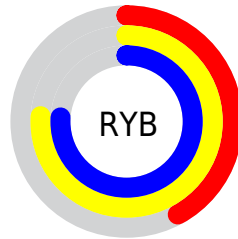
Distribution



Red (42%)

Green (76%)

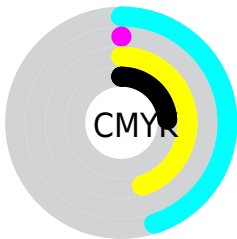
Blue (42%)



Red (42%)

Yellow (76%)

Blue (76%)

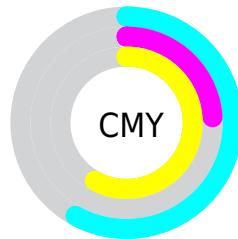


Cyan (45%)

Magenta (0%)

Yellow (45%)

Black (24%)



Cyan (58%)


Magenta (24%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3273, 0.3063, 0.4665 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 42.3273, 0.3063, 0.4665 by changing the saturation by 10% instead.


 42.3273, 0.3063,
0.4665


 42.3273, 0.3063,
0.4665


355.8379, 0.3125,
0.3922

 29.3577, 0.3035,
0.4867


 78.6947, 0.3094,
0.4382

 19.3516, 0.2991,
0.5135


 102.8613, 0.3103,
0.4280

 11.9246, 0.2917,
0.5504


 131.5290, 0.3110,
0.4195

 6.6923, 0.2780,
0.6035

 165.0822, 0.3115,
0.4123

 3.2704, 0.2637,
0.7201

203.9053, 0.3118,
0.4062

 1.2745, 0.0758,
0.9242

248.3827, 0.3121,

 0.1213, 0.0000,

0.4009

1.0000

298.8988, 0.3123,
0.3962

■ 0.0000, 0.0000,
0.0000

■ 42.3273, 0.3063,
0.4665

■ 42.3273, 0.3063,
0.4665

■ 40.9013, 0.3046,
0.5020

■ 44.1142, 0.3080,
0.4311

■ 39.8069, 0.3031,
0.5352

■ 46.2784, 0.3095,
0.3977

■ 39.0187, 0.3018,
0.5633


■ 48.8419, 0.3109,
0.3673

■ 38.5057, 0.3008,
0.5839

■ 51.8232, 0.3122,
0.3402


■ 38.2300, 0.3002,
0.5959

■ 55.2400, 0.3133,
0.3166

 38.1392, 0.3000,
0.6000

 59.1086, 0.3142,
0.2961

 63.4447, 0.3151,
0.2786

 66.6185, 0.3156,
0.2683

Harmonies

Analogous

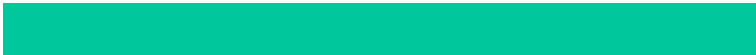
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.3273, 0.3826, 0.4746



42.3273, 0.3063, 0.4665



42.3273, 0.2358, 0.4005

Triad

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



42.3273, 0.3063, 0.4665



42.3273, 0.1892, 0.2138



42.3273, 0.4515, 0.3211

Complementary

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



42.3273, 0.3063, 0.4665



25.6960, 0.3177, 0.2215

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.



42.3273, 0.3852, 0.2682



42.3273, 0.3063, 0.4665



42.3273, 0.2323, 0.2091

Square

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



42.3273, 0.3063, 0.4665



42.3273, 0.1747, 0.2473



42.3273, 0.3021, 0.2287



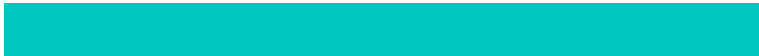
42.3273, 0.4725, 0.3796

Rectangle

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



42.3273, 0.3063, 0.4665



42.3273, 0.2017, 0.3415



42.3273, 0.3021, 0.2287



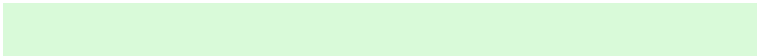
42.3273, 0.4334, 0.3025

Sweetspot

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



42.3291, 0.3063, 0.4665



88.1584, 0.3111, 0.3634



49.9064, 0.3788, 0.4356



18.6751, 0.3108, 0.3698



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.



42.3291, 0.3063, 0.4665



73.4230, 0.3048, 0.4995



43.4204, 0.2801, 0.3985



11.2591, 0.3116, 0.3528



25.3682, 0.3000, 0.6000



1.0962, 0.3001, 0.5999

Inverse Universe

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



25.6960, 0.3177, 0.2215



40.0152, 0.3186, 0.2023



24.1010, 0.3679, 0.2697



10.2472, 0.3138, 0.3063



10.0917, 0.3208, 0.1541



0.4361, 0.3208, 0.1541

Previews

White Background



This preview shows how the Yxy color 42.3273, 0.3063, 0.4665 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 42.3273, 0.3063, 0.4665 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 42.3273, 0.3063, 0.4665

Background



This preview shows how black text looks on a background with the Yxy color 42.3273, 0.3063, 0.4665.



This preview shows how white text looks on a background with the Yxy color 42.3273, 0.3063, 0.4665.

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

42.3273, 0.3063, 0.4665

Protanopia

41.7544, 0.3914, 0.4247

Deuteranopia

41.5351, 0.4020, 0.3928



Tritanopia

42.3338, 0.2598, 0.3089

Trichromacy



Original Color

42.3273, 0.3063, 0.4665



Protanomaly

41.0954, 0.3563, 0.4401



Deuteranomaly

40.4656, 0.3628, 0.4195



Tritanomaly

42.1429, 0.2770, 0.3640

Monochromacy



Original Color

42.3273, 0.3063, 0.4665



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.1025, 0.3104, 0.3776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3273, 0.3063, 0.4665 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(107, 193, 107)` looks like.

```
.text, #text, p{  
    color:rgb(107, 193, 107)  
}
```

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(107, 193, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 193, 107) }
```

Border

The CSS property to change the border of an element to Yxy 42.3273, 0.3063, 0.4665 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(107, 193, 107) }
```

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

```
.border{ border-color:rgb(107, 193, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 193, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 193, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 193, 107);  
box-shadow:4px 4px 4px 4px rgb(107, 193,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3273, 0.3063, 0.4665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 193, 107) }
```

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

```
.background{ background-color: rgb(107,  
193, 107) }
```

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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