

Converting Colors

Yxy(43.6392, 0.3070, 0.4720)

Have a look what the booklet for
Yxy(43.6392, 0.3070, 0.4720)
contains.

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Color

Yxy(43.6463, 0.3067, 0.4713)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6BC46A |
| RGB | 107, 196, 106 |
| RGB Percent | 42%, 77%, 42% |
| CMY | 0.5804, 0.2313, 0.5844 |
| CMYK | 0.45, 0.00, 0.46, 0.23 |
| HSL | 119°, 43%, 59% |
| HSV | 119°, 46%, 77% |
| XYZ | 28.4030, 43.6463, 20.5590 |
| YIQ | 159.1290, -24.1540, -46.8580 |

Conversions

Conversions Part 2

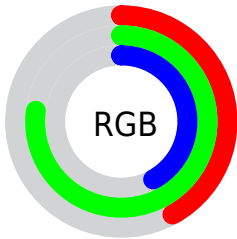
| Format | Color |
|-------------------------------------|--|
| RYB | 106, 196, 195 |
| Decimal | 7062634 |
| CIELab | 71.99, -44.99, 36.97 |
| CIELCh | 72, 58.233, 140.590 |
| Yxy | 43.6463, 0.3067, 0.4713 |
| Android (android.graphics.Color) | 4285252714 (0xFF6BC46A) |
| YUV | 159.1290, -26.1926, -45.7171 |
| Hunter-Lab | 66.0653, -38.8732, 27.7951 |

Details

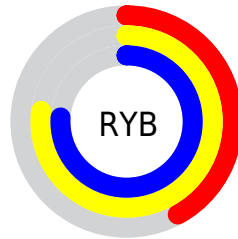
The Yxy color **43.6463, 0.3067, 0.4713** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.8942, 0.3168, 0.2180**, and the grayscale version is **34.8623, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5403, 0.3097, 0.4416**, and **20.0134, 0.2996, 0.5190** is the 20% darker color. If you saturate the color by 10%, you get **42.2164, 0.3051, 0.5066**, and if you desaturate by 10%, it is **45.4423, 0.3083, 0.4359**.

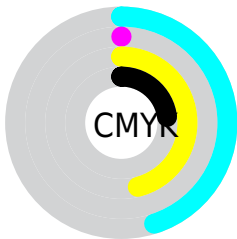
Distribution



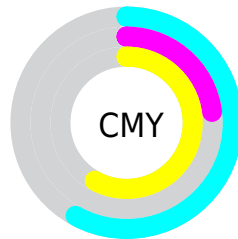
- Red (42%)
- Green (77%)
- Blue (42%)



- Red (42%)
- Yellow (77%)
- Blue (76%)



- Cyan (45%)
- Magenta (0%)
- Yellow (46%)
- Black (23%)





- Cyan (58%)
- Magenta (23%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.6463, 0.3067, 0.4713 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 43.6463, 0.3067, 0.4713 by changing the saturation by 10% instead.


 43.6463, 0.3067,
0.4713

 43.6463, 0.3067,
0.4713


361.2630, 0.3129,
0.3947

 30.3925, 0.3039,
0.4920


 80.6852, 0.3099,
0.4423

 20.1367, 0.2993,
0.5192


 105.2392, 0.3108,
0.4317

 12.4945, 0.2917,
0.5566


 134.3287, 0.3114,
0.4229

 7.0814, 0.2777,
0.6099

 168.3382, 0.3119,
0.4155

 3.5130, 0.2625,
0.7239

207.6519, 0.3123,
0.4092

 1.4051, 0.1042,
0.8958

252.6543, 0.3126,

 0.2205, 0.0000,

0.4037

1.0000

303.7299, 0.3128,
0.3989

■ 0.0000, 0.0000,
0.0000

■ 43.6463, 0.3067,
0.4713

■ 43.6463, 0.3067,
0.4713

■ 42.2164, 0.3051,
0.5066

■ 45.4423, 0.3083,
0.4359

■ 41.1224, 0.3035,
0.5392

■ 47.6213, 0.3097,
0.4021

■ 40.3385, 0.3021,
0.5664


■ 50.2056, 0.3110,
0.3712

■ 39.8326, 0.3011,
0.5859


■ 53.2144, 0.3121,
0.3437

■ 39.5653, 0.3004,
0.5968

■ 56.6655, 0.3131,
0.3196

 39.4969, 0.3002,
0.5998

 60.5757, 0.3139,
0.2987

 64.9611, 0.3146,
0.2807

 67.9628, 0.3154,
0.2712

Harmonies

Analogous

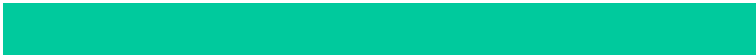
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.6463, 0.3848, 0.4782



43.6463, 0.3067, 0.4713



43.6463, 0.2344, 0.4037

Triad

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



43.6463, 0.3067, 0.4713



43.6463, 0.1860, 0.2112



43.6463, 0.4548, 0.3198

Complementary

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



43.6463, 0.3067, 0.4713



25.8942, 0.3168, 0.2180

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.



43.6463, 0.3861, 0.2661



43.6463, 0.3067, 0.4713



43.6463, 0.2296, 0.2063

Square

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



43.6463, 0.3067, 0.4713



43.6463, 0.1716, 0.2456



43.6463, 0.3007, 0.2260



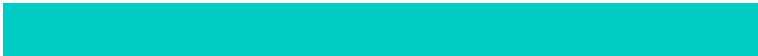
43.6463, 0.4767, 0.3795

Rectangle

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



43.6463, 0.3067, 0.4713



43.6463, 0.1994, 0.3427



43.6463, 0.3007, 0.2260



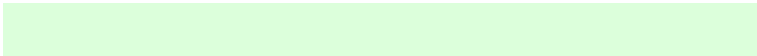
43.6463, 0.4360, 0.3009

Sweetspot

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



43.6481, 0.3067, 0.4713



91.8186, 0.3112, 0.3663



51.5863, 0.3808, 0.4387



19.4134, 0.3109, 0.3727



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



43.6481, 0.3067, 0.4713



76.4862, 0.3051, 0.5064



44.7320, 0.2793, 0.4011



11.2640, 0.3118, 0.3528



25.3791, 0.3003, 0.5998



1.0984, 0.3013, 0.5989

Inverse Universe

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



25.8942, 0.3168, 0.2180



40.3903, 0.3174, 0.1978



24.3254, 0.3704, 0.2679



10.2416, 0.3136, 0.3063



9.9181, 0.3182, 0.1526



0.4304, 0.3188, 0.1530

Previews

White Background



This preview shows how the Yxy color 43.6463, 0.3067, 0.4713 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 43.6463, 0.3067, 0.4713 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 43.6463, 0.3067, 0.4713

Background



This preview shows how black text looks on a background with the Yxy color 43.6463, 0.3067, 0.4713.



This preview shows how white text looks on a background with the Yxy color 43.6463, 0.3067, 0.4713.

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

43.6463, 0.3067, 0.4713

Protanopia

43.2890, 0.3933, 0.4281

Deuteranopia

43.0464, 0.4041, 0.3967



Tritanopia

43.3037, 0.2584, 0.3076

Trichromacy



Original Color

43.6463, 0.3067, 0.4713



Protanomaly

42.5077, 0.3577, 0.4441



Deuteranomaly

41.8508, 0.3642, 0.4238



Tritanomaly

43.0703, 0.2760, 0.3637

Monochromacy



Original Color

43.6463, 0.3067, 0.4713



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

36.9739, 0.3104, 0.3787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.6463, 0.3067, 0.4713 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, 196, 106)` looks like.

```
.text, #text, p{  
    color:rgb(107, 196, 106)  
}
```

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, 196, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 196, 106) }
```

Border

The CSS property to change the border of an element to Yxy 43.6463, 0.3067, 0.4713 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, 196, 106) }
```

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

```
.border{ border-color:rgb(107, 196, 106) }
```

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

Here you see how a box with a 4 pixel rgb(107, 196, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 196, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 196, 106);  
box-shadow:4px 4px 4px 4px rgb(107, 196,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 43.6463, 0.3067, 0.4713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 196, 106) }
```

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

```
.background{ background-color: rgb(107,  
196, 106) }
```

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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