

Converting Colors

$Yxy(44.3507, 0.3075, 0.4800)$

Have a look what the booklet for
Yxy(44.3507, 0.3075, 0.4800)
contains.

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Color

Yxy(44.3507, 0.3075, 0.4800)

Conversions

Conversions Part 1

Format	Color
Hex	69C666
RGB	105, 198, 102
RGB Percent	41%, 78%, 40%
CMY	0.5885, 0.2235, 0.6000
CMYK	0.47, 0.00, 0.48, 0.22
HSL	118°, 46%, 59%
HSV	118°, 48%, 78%
XYZ	28.4122, 44.3507, 19.6344
YIQ	159.2490, -24.6120, -49.5720

Conversions

Conversions Part 2

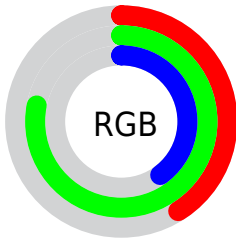
Format	Color
RYB	102, 198, 195
Decimal	6932070
CIELab	72.46, -46.99, 39.53
CIELCh	72, 61.402, 139.926
Yxy	44.3507, 0.3075, 0.4800
Android (android.graphics.Color)	4285122150 (0xFF69C666)
YUV	159.2490, -28.2238, -47.5764
Hunter-Lab	66.5963, -40.3896, 29.1371

Details

The Yxy color **44.3507, 0.3075, 0.4800** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.1956, 0.3149, 0.2117**, and the grayscale version is **34.9247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4636, 0.3104, 0.4486**, and **20.4737, 0.2995, 0.5299** is the 20% darker color. If you saturate the color by 10%, you get **42.9721, 0.3059, 0.5147**, and if you desaturate by 10%, it is **46.0891, 0.3089, 0.4445**.

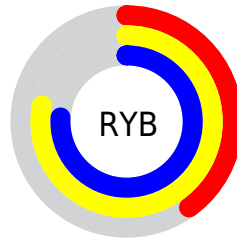
Distribution



Red (41%)

Green (78%)

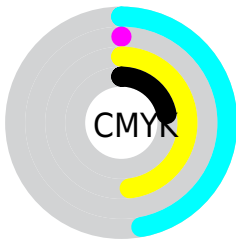
Blue (40%)



Red (40%)

Yellow (78%)

Blue (76%)

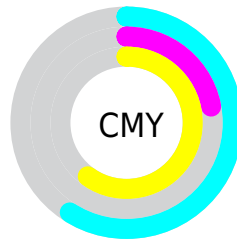


Cyan (47%)

Magenta (0%)

Yellow (48%)

Black (22%)



Cyan (59%)


Magenta (22%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3507, 0.3075, 0.4800 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 44.3507, 0.3075, 0.4800 by changing the saturation by 10% instead.


 44.3507, 0.3075,
0.4800

 44.3507, 0.3075,
0.4800


364.1375, 0.3137,
0.3988


 30.9463, 0.3045,
0.5018


 81.7452, 0.3108,
0.4493

 20.5580, 0.2996,
0.5304

 106.5041, 0.3117,
0.4381

 12.8013, 0.2914,
0.5694


 135.8166, 0.3124,
0.4288

 7.2918, 0.2763,
0.6243

 170.0672, 0.3128,
0.4209

 3.6453, 0.2591,
0.7409

209.6401, 0.3132,
0.4142

 1.4772, 0.1001,
0.8999

254.9199, 0.3134,

 0.2726, 0.0000,

0.4084

1.0000

306.2909, 0.3136,
0.4033

■ 0.0000, 0.0000,
0.0000

■ 44.3507, 0.3075,
0.4800

■ 44.3507, 0.3075,
0.4800

■ 42.9721, 0.3059,
0.5147

■ 46.0891, 0.3089,
0.4445

■ 41.9232, 0.3043,
0.5462

■ 48.2042, 0.3102,
0.4104

■ 41.1779, 0.3028,
0.5716


■ 50.7183, 0.3112,
0.3788


■ 40.7039, 0.3015,
0.5891


■ 53.6503, 0.3121,
0.3504


■ 40.4583, 0.3006,
0.5984

■ 57.0183, 0.3128,
0.3254

 40.4329, 0.3006,
0.5995

 60.8388, 0.3134,
0.3037

 65.1279, 0.3138,
0.2850

 68.8740, 0.3153,
0.2732

Harmonies

Analogous

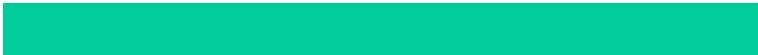
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.3507, 0.3888, 0.4845



44.3507, 0.3075, 0.4800



44.3507, 0.2320, 0.4097

Triad

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



44.3507, 0.3075, 0.4800



44.3507, 0.1804, 0.2067



44.3507, 0.4606, 0.3174

Complementary

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



44.3507, 0.3075, 0.4800



25.1956, 0.3149, 0.2117

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.



44.3507, 0.3876, 0.2622



44.3507, 0.3075, 0.4800



44.3507, 0.2246, 0.2013

Square

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



44.3507, 0.3075, 0.4800



44.3507, 0.1661, 0.2426



44.3507, 0.2979, 0.2212



44.3507, 0.4843, 0.3790

Rectangle

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



44.3507, 0.3075, 0.4800



44.3507, 0.1954, 0.3451



44.3507, 0.2979, 0.2212



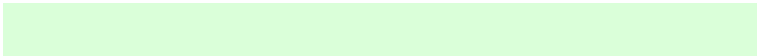
44.3507, 0.4405, 0.2980

Sweetspot

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



44.3526, 0.3075, 0.4800



91.4091, 0.3115, 0.3692



51.9132, 0.3851, 0.4426



19.3373, 0.3114, 0.3755



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.



44.3526, 0.3075, 0.4800



76.0026, 0.3059, 0.5160



45.3198, 0.2789, 0.4087



11.9030, 0.3120, 0.3528



26.2976, 0.3008, 0.5994



1.2507, 0.3035, 0.5973

Inverse Universe

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



25.1956, 0.3149, 0.2117



38.1716, 0.3150, 0.1911



23.8184, 0.3729, 0.2627



10.7995, 0.3133, 0.3062



9.9437, 0.3134, 0.1500



0.4761, 0.3151, 0.1509

Previews

White Background



This preview shows how the Yxy color 44.3507, 0.3075, 0.4800 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 44.3507, 0.3075, 0.4800 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 44.3507, 0.3075, 0.4800

Background



This preview shows how black text looks on a background with the Yxy color 44.3507, 0.3075, 0.4800.



This preview shows how white text looks on a background with the Yxy color 44.3507, 0.3075, 0.4800.

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

44.3507, 0.3075, 0.4800

Protanopia

43.8726, 0.3976, 0.4329

Deuteranopia

43.7762, 0.4098, 0.4015



Tritanopia

44.2405, 0.2577, 0.3078

Trichromacy



Original Color

44.3507, 0.3075, 0.4800



Protanomaly

43.2611, 0.3596, 0.4516



Deuteranomaly

42.6818, 0.3674, 0.4311



Tritanomaly

43.8663, 0.2757, 0.3666

Monochromacy



Original Color

44.3507, 0.3075, 0.4800



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

37.2111, 0.3110, 0.3835

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3507, 0.3075, 0.4800 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(105, 198, 102)` looks like.

```
.text, #text, p{  
    color:rgb(105, 198, 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(105, 198, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 198, 102) }
```

Border

The CSS property to change the border of an element to Yxy 44.3507, 0.3075, 0.4800 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(105, 198, 102) }
```

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

```
.border{ border-color:rgb(105, 198, 102) }
```

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

Here you see how a box with a 4 pixel rgb(105, 198, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 198, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 198, 102);  
box-shadow:4px 4px 4px 4px rgb(105, 198,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3507, 0.3075, 0.4800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 198, 102) }
```

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

```
.background{ background-color: rgb(105,  
198, 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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