

Converting Colors

$Y_{xy}(42.2603, 0.4051, 0.4473)$

Have a look what the booklet for
Yxy(42.2603, 0.4051, 0.4473)
contains.

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Color

Yxy(42.3304, 0.4050, 0.4476)

Conversions

Conversions Part 1

Format	Color
Hex	BFAF51
RGB	191, 175, 81
RGB Percent	75%, 69%, 32%
CMY	0.2510, 0.3137, 0.6823
CMYK	0.00, 0.08, 0.58, 0.25
HSL	51°, 46%, 53%
HSV	51°, 58%, 75%
XYZ	38.3016, 42.3304, 13.9399
YIQ	169.0680, 39.7100, -25.8420

Conversions

Conversions Part 2

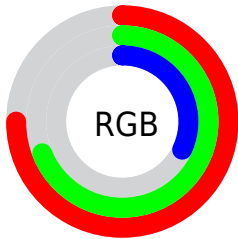
Format	Color
RYB	100, 191, 81
Decimal	12562257
CIELab	71.10, -6.11, 49.37
CIELCh	71, 49.745, 97.053
Yxy	42.3304, 0.4050, 0.4476
Android (android.graphics.Color)	4290752337 (0xFFBFAF51)
YUV	169.0680, -43.4175, 19.2344
Hunter-Lab	65.0618, -8.7759, 32.8400

Details

The Yxy color **42.3304, 0.4050, 0.4476** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **14.0641, 0.2076, 0.1710**, and the grayscale version is **39.9178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4268, 0.3900, 0.4272**, and **19.4055, 0.4250, 0.4768** is the 20% darker color. If you saturate the color by 10%, you get **41.0146, 0.4190, 0.4626**, and if you desaturate by 10%, it is **43.7530, 0.3894, 0.4295**.

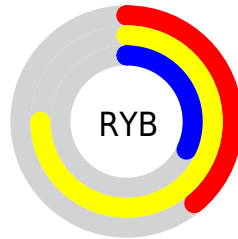
Distribution



Red (75%)

Green (69%)

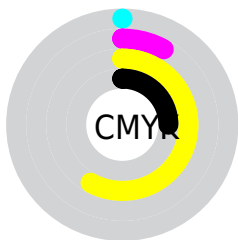
Blue (32%)



Red (39%)

Yellow (75%)

Blue (32%)

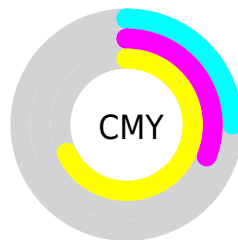


Cyan (0%)

Magenta (8%)

Yellow (58%)

Black (25%)



Cyan (25%)

Magenta (31%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3304, 0.4050, 0.4476 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 42.3304, 0.4050, 0.4476 by changing the saturation by 10% instead.

 42.3304, 0.4050,
0.4476


 42.3304, 0.4050,
0.4476


355.8507, 0.3611,
0.3892

 29.3601, 0.4144,
0.4609


 78.6994, 0.3900,
0.4271


 19.3534, 0.4252,
0.4770


 102.8669, 0.3841,
0.4191

 11.9259, 0.4371,
0.4959


 131.5356, 0.3789,
0.4123

 6.6932, 0.4537,
0.5231

 165.0899, 0.3744,
0.4064

 3.2710, 0.4582,
0.5418

 203.9142, 0.3705,
0.4013

 1.2748, 0.4472,
0.5528

248.3928, 0.3670,

 0.1216, 0.0000,

0.3968

1.0000

298.9102, 0.3639,
0.3928

0.0000, 0.0000,
0.0000

42.3304, 0.4050,
0.4476

42.3304, 0.4050,
0.4476

41.0146, 0.4190,
0.4626

43.7530, 0.3894,
0.4295

39.7926, 0.4307,
0.4736

45.2827, 0.3730,
0.4093

38.6580, 0.4398,
0.4802

46.9273, 0.3563,
0.3879

37.5990, 0.4462,
0.4825

48.6918, 0.3398,
0.3661

37.3492, 0.4476,
0.4828

50.5812, 0.3241,
0.3447

■ 52.6000, 0.3092,
0.3241

■ 54.7524, 0.2955,
0.3046

■ 57.0426, 0.2829,
0.2865

■ 59.4744, 0.2714,
0.2697

Harmonies

Analogous

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



42.3304, 0.4474, 0.4047



42.3304, 0.4050, 0.4476



42.3304, 0.3406, 0.4600

Triad

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



42.3304, 0.4050, 0.4476



42.3304, 0.1910, 0.2810



42.3304, 0.3434, 0.2557

Complementary

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



42.3304, 0.4050, 0.4476



14.0641, 0.2076, 0.1710

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.



42.3304, 0.2721, 0.2274



42.3304, 0.4050, 0.4476



42.3304, 0.1916, 0.2364

Square

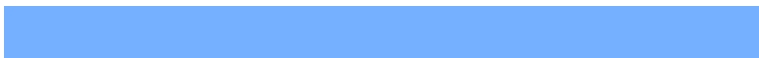
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.3304, 0.4050, 0.4476



42.3304, 0.2185, 0.3509



42.3304, 0.2192, 0.2197



42.3304, 0.4125, 0.2996

Rectangle

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



42.3304, 0.4050, 0.4476



42.3304, 0.2943, 0.4410



42.3304, 0.2192, 0.2197



42.3304, 0.3186, 0.2443

Sweetspot

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



42.3324, 0.4050, 0.4476



87.3095, 0.3393, 0.3655



17.8370, 0.4594, 0.3079



19.0271, 0.3426, 0.3699



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.



42.3324, 0.4050, 0.4476



72.8922, 0.4221, 0.4657



44.5804, 0.3589, 0.4825



10.8776, 0.3268, 0.3485



24.6367, 0.4471, 0.4832



1.0306, 0.4395, 0.4892

Inverse Universe

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



14.0641, 0.2076, 0.1710



17.7065, 0.1852, 0.1334



13.6078, 0.2370, 0.1610



9.4433, 0.2984, 0.3088



3.0846, 0.1536, 0.0731



0.1934, 0.1636, 0.1090

Previews

White Background



This preview shows how the Yxy color 42.3304, 0.4050, 0.4476 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 42.3304, 0.4050, 0.4476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

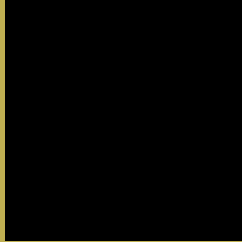
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3304, 0.4050, 0.4476

Background



This preview shows how black text looks on a background with the Yxy color 42.3304, 0.4050, 0.4476.



This preview shows how white text looks on a background with the Yxy color 42.3304, 0.4050, 0.4476.

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

42.3304, 0.4050, 0.4476

Protanopia

42.2036, 0.4077, 0.4456

Deuteranopia

42.3440, 0.4338, 0.4250



Tritanopia

42.3640, 0.3350, 0.3139

Trichromacy



Original Color

42.3304, 0.4050, 0.4476

Protanomaly

42.0727, 0.4067, 0.4461

Deuteranomaly

42.1069, 0.4235, 0.4331

Tritanomaly

42.1992, 0.3635, 0.3644

Monochromacy



Original Color

42.3304, 0.4050, 0.4476

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.2791, 0.3479, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3304, 0.4050, 0.4476 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(191, 175, 81)` looks like.

```
.text, #text, p{  
    color:rgb(191, 175, 81)  
}
```

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(191, 175, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 175, 81) }
```

Border

The CSS property to change the border of an element to Yxy 42.3304, 0.4050, 0.4476 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(191, 175, 81) }
```

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

```
.border{ border-color:rgb(191, 175, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 175, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 175, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 175, 81);  
box-shadow:4px 4px 4px 4px rgb(191, 175,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3304, 0.4050, 0.4476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 175, 81) }
```

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

```
.background{ background-color: rgb(191,  
175, 81) }
```

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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