

Converting Colors

$Y_{xy}(42.3698, 0.4089, 0.4832)$

Have a look what the booklet for
Yxy(42.3698, 0.4089, 0.4832)
contains.

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Color

Yxy(42.3030, 0.4089, 0.4835)

Conversions

Conversions Part 1

Format	Color
Hex	B5B333
RGB	181, 179, 51
RGB Percent	71%, 70%, 20%
CMY	0.2902, 0.2980, 0.7999
CMYK	0.00, 0.01, 0.72, 0.29
HSL	59°, 56%, 45%
HSV	59°, 72%, 71%
XYZ	35.7760, 42.3030, 9.4143
YIQ	165.0060, 42.2800, -39.3840

Conversions

Conversions Part 2

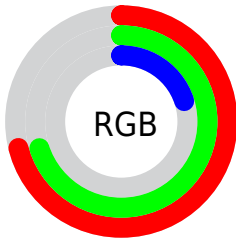
Format	Color
RYB	53, 181, 51
Decimal	11907891
CIELab	71.08, -14.33, 61.70
CIELCh	71, 63.341, 103.076
Yxy	42.3030, 0.4089, 0.4835
Android (android.graphics.Color)	4290097971 (0xFFB5B333)
YUV	165.0060, -56.2050, 14.0267
Hunter-Lab	65.0408, -15.6365, 36.9466

Details

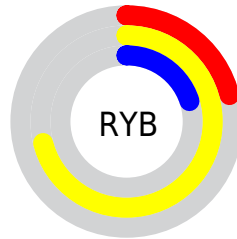
The Yxy color **42.3030, 0.4089, 0.4835** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **6.5906, 0.1772, 0.1063**, and the grayscale version is **37.8925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9825, 0.3956, 0.4578**, and **19.5387, 0.4167, 0.5074** is the 20% darker color. If you saturate the color by 10%, you get **42.0631, 0.4157, 0.4940**, and if you desaturate by 10%, it is **42.6092, 0.3996, 0.4688**.

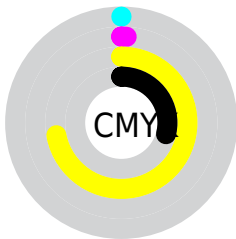
Distribution



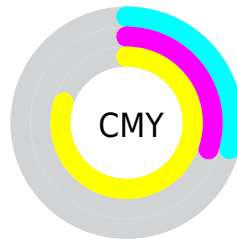
- Red (71%)
- Green (70%)
- Blue (20%)



- Red (21%)
- Yellow (71%)
- Blue (20%)



- Cyan (0%)
- Magenta (1%)
- Yellow (72%)
- Black (29%)





- Cyan (29%)
- Magenta (30%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3030, 0.4089, 0.4835 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 42.3030, 0.4089, 0.4835 by changing the saturation by 10% instead.


 42.3030, 0.4089,
0.4835


 42.3030, 0.4089,
0.4835


355.7375, 0.3663,
0.4080

 29.3386, 0.4163,
0.5000

 78.6580, 0.3955,
0.4575


 19.3371, 0.4236,
0.5191


 102.8174, 0.3898,
0.4472


 11.9141, 0.4297,
0.5413


 131.4773, 0.3847,
0.4383

 6.6852, 0.4328,
0.5672

 165.0220, 0.3802,
0.4306

 3.2660, 0.4176,
0.5824

 203.8360, 0.3762,
0.4239

 1.2722, 0.3908,
0.6092

 248.3036, 0.3725,

 0.1195, 0.0000,

0.4179

1.0000

298.8093, 0.3693,
0.4127

■ 0.0000, 0.0000,
0.0000

■ 42.3030, 0.4089,
0.4835

■ 42.3030, 0.4089,
0.4835

■ 42.0631, 0.4157,
0.4940

■ 42.6092, 0.3996,
0.4688

■ 41.8759, 0.4200,
0.5003

■ 42.9824, 0.3880,
0.4505

■ 41.7505, 0.4220,
0.5031

■ 43.4299, 0.3747,
0.4292

■ 43.9570, 0.3603,
0.4060

■ 44.5683, 0.3452,
0.3817

■ 45.2680, 0.3301,
0.3572

■ 46.0601, 0.3153,
0.3332

■ 46.9483, 0.3012,
0.3103

■ 47.9361, 0.2880,
0.2887

Harmonies

Analogous

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



42.3030, 0.4714, 0.4295



42.3030, 0.4089, 0.4835



42.3030, 0.3261, 0.4953

Triad

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



42.3030, 0.4089, 0.4835



42.3030, 0.1614, 0.2520



42.3030, 0.3695, 0.2481

Complementary

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



42.3030, 0.4089, 0.4835



6.5906, 0.1772, 0.1063

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.



42.3030, 0.2772, 0.2103



42.3030, 0.4089, 0.4835



42.3030, 0.1692, 0.2071

Square

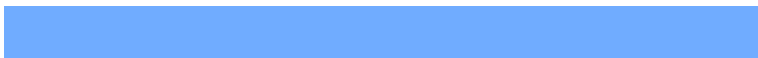
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.3030, 0.4089, 0.4835



42.3030, 0.1857, 0.3349



42.3030, 0.2076, 0.1952



42.3030, 0.4538, 0.3025

Rectangle

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



42.3030, 0.4089, 0.4835



42.3030, 0.2699, 0.4631



42.3030, 0.2076, 0.1952



42.3030, 0.3376, 0.2333

Sweetspot

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



42.3050, 0.4089, 0.4835



79.7457, 0.3461, 0.3831



12.4539, 0.5492, 0.3274



17.1703, 0.3501, 0.3896



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.3050, 0.4089, 0.4835



75.1249, 0.4184, 0.4980



37.1557, 0.3478, 0.5249



9.8837, 0.3264, 0.3512



28.7883, 0.4220, 0.5031



0.9129, 0.4212, 0.5038

Inverse Universe

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



6.5906, 0.1772, 0.1063



7.5553, 0.1577, 0.0736



9.2742, 0.2337, 0.1318



8.2505, 0.2985, 0.3058



2.3512, 0.1504, 0.0612



0.0809, 0.1518, 0.0663

Previews

White Background



This preview shows how the Yxy color 42.3030, 0.4089, 0.4835 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 Xy color 42.3030, 0.4089, 0.4835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

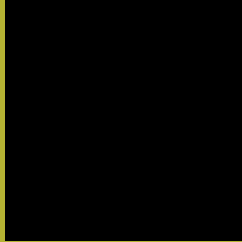
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3030, 0.4089, 0.4835

Background



This preview shows how black text looks on a background with the Yxy color 42.3030, 0.4089, 0.4835.



This preview shows how white text looks on a background with the Yxy color 42.3030, 0.4089, 0.4835.

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

42.3030, 0.4089, 0.4835

Protanopia

42.1045, 0.4272, 0.4707

Deuteranopia

42.1012, 0.4545, 0.4442



Tritanopia

42.1392, 0.3246, 0.3123

Trichromacy



Original Color

42.3030, 0.4089, 0.4835

Protanomaly

42.2281, 0.4206, 0.4757

Deuteranomaly

41.9949, 0.4386, 0.4580

Tritanomaly

41.5106, 0.3622, 0.3803

Monochromacy



Original Color

42.3030, 0.4089, 0.4835

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.8626, 0.3537, 0.3949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3030, 0.4089, 0.4835 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(181, 179, 51)` looks like.

```
.text, #text, p{  
    color:rgb(181, 179, 51)  
}
```

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(181, 179, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 179, 51) }
```

Border

The CSS property to change the border of an element to Yxy 42.3030, 0.4089, 0.4835 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(181, 179, 51) }
```

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

```
.border{ border-color:rgb(181, 179, 51) }
```

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

Here you see how a box with a 4 pixel rgb(181, 179, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 179, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 179, 51);  
box-shadow:4px 4px 4px 4px rgb(181, 179,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3030, 0.4089, 0.4835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 179, 51) }
```

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

```
.background{ background-color: rgb(181,  
179, 51) }
```

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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