

Converting Colors

$Y_{xy}(42.9588, 0.4320, 0.4952)$

Have a look what the booklet for
Yxy(42.9588, 0.4320, 0.4952)
contains.

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Color

Yxy(42.9172, 0.4318, 0.4954)

Conversions

Conversions Part 1

Format	Color
Hex	BFB200
RGB	191, 178, 0
RGB Percent	75%, 70%, 0%
CMY	0.2509, 0.3019, 1.0000
CMYK	0.00, 0.07, 1.00, 0.25
HSL	56°, 100%, 37%
HSV	56°, 100%, 75%
XYZ	37.4074, 42.9172, 6.3068
YIQ	161.5950, 64.8860, -52.6020

Conversions

Conversions Part 2

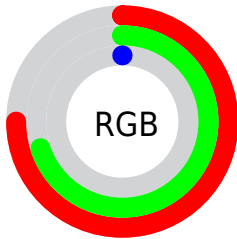
Format	Color
R_{YB}	14, 191, 0
Decimal	12562944
CIE _{Lab}	71.50, -10.73, 73.48
CIE _{LCh}	71, 74.257, 98.310
Yxy	42.9172, 0.4318, 0.4954
Android (android.graphics.Color)	4290753024 (0xFFBFB200)
YUV	161.5950, -79.6663, 25.7882
Hunter-Lab	65.5112, -12.7197, 40.1500

Details

The Yxy color **42.9172, 0.4318, 0.4954** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **4.0501, 0.1512, 0.0641**, and the grayscale version is **36.2909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3516, 0.4169, 0.4704**, and **19.9083, 0.4285, 0.4979** is the 20% darker color. If you saturate the color by 10%, you get **42.9196, 0.4318, 0.4954**, and if you desaturate by 10%, it is **43.4871, 0.4280, 0.4925**.

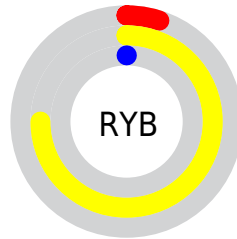
Distribution



Red (75%)

Green (70%)

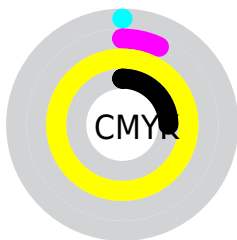
Blue (0%)



Red (5%)

Yellow (75%)

Blue (0%)

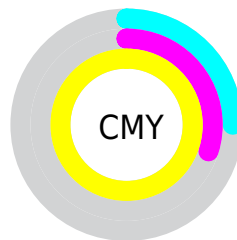


Cyan (0%)

Magenta (7%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (30%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.9172, 0.4318, 0.4954 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 42.9172, 0.4318, 0.4954 by changing the saturation by 10% instead.

42.9172, 0.4318,
0.4954

42.9172, 0.4318,
0.4954

358.2711, 0.3814,
0.4186

29.8202, 0.4394,
0.5099

79.5859, 0.4168,
0.4705

19.7021, 0.4460,
0.5253

103.9263, 0.4102,
0.4602

12.1787, 0.4542,
0.5458

132.7834, 0.4041,
0.4510

6.8655, 0.4471,
0.5529

166.5414, 0.3986,
0.4430

3.3781, 0.4361,
0.5639

205.5848, 0.3936,
0.4358

1.3322, 0.4169,
0.5831

250.2979, 0.3891,

0.1659, 0.0000,

0.4294

1.0000

301.0653, 0.3851,
0.4237

■ 0.0000, 0.0000,
0.0000

■ 42.9172, 0.4318,
0.4954

■ 42.9172, 0.4318,
0.4954

■ 42.9196, 0.4318,
0.4954

■ 43.4871, 0.4280,
0.4925

■ 44.1060, 0.4219,
0.4861

■ 44.7931, 0.4132,
0.4753

■ 45.5570, 0.4021,
0.4604

■ 46.4049, 0.3889,
0.4420

■ 47.3430, 0.3742,
0.4210

■ 48.3772, 0.3588,
0.3984

■ 49.5125, 0.3431,
0.3750

■ 50.7539, 0.3276,
0.3517

Harmonies

Analogous

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



42.9172, 0.4999, 0.4260



42.9172, 0.4318, 0.4954



42.9172, 0.3394, 0.5277

Triad

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



42.9172, 0.4318, 0.4954



42.9172, 0.1438, 0.2503



42.9172, 0.3600, 0.2288

Complementary

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



42.9172, 0.4318, 0.4954



4.0501, 0.1512, 0.0641

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.



42.9172, 0.2561, 0.1907



42.9172, 0.4318, 0.4954



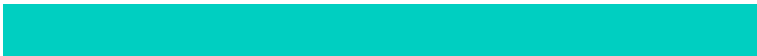
42.9172, 0.1478, 0.1950

Square

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



42.9172, 0.4318, 0.4954



42.9172, 0.1751, 0.3528



42.9172, 0.1842, 0.1781



42.9172, 0.4640, 0.2862

Rectangle

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



42.9172, 0.4318, 0.4954



42.9172, 0.2753, 0.5020



42.9172, 0.1842, 0.1781



42.9172, 0.3230, 0.2135

Sweetspot

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



42.9196, 0.4318, 0.4954



86.5417, 0.3595, 0.3995



11.1148, 0.6312, 0.3251



18.8262, 0.3662, 0.4093



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.



42.9196, 0.4318, 0.4954



76.7137, 0.4320, 0.4952



40.6730, 0.3485, 0.5615



11.0062, 0.3266, 0.3502



28.2507, 0.4316, 0.4955



1.1403, 0.4284, 0.4981

Inverse Universe

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



4.0501, 0.1512, 0.0641



7.1331, 0.1509, 0.0632



5.4496, 0.1870, 0.0804



9.3269, 0.2984, 0.3069



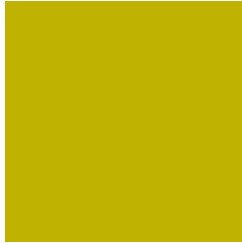
2.7061, 0.1514, 0.0651



0.1421, 0.1567, 0.0841

Previews

White Background



This preview shows how the Yxy color 42.9172, 0.4318, 0.4954 looks on a white background.

Color Contrast Check

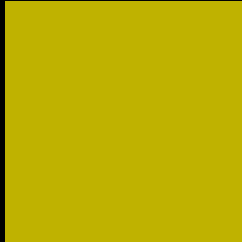
Large Text (above 18pt) WCAG AA × Fail

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 42.9172, 0.4318, 0.4954 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 42.9172, 0.4318, 0.4954

Background



This preview shows how black text looks on a background with the Yxy color 42.9172, 0.4318, 0.4954.

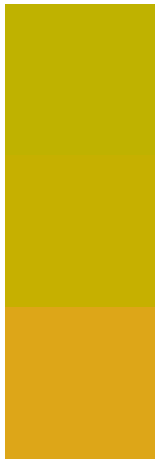


This preview shows how white text looks on a background with the Yxy color 42.9172, 0.4318, 0.4954.

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

42.9172, 0.4318, 0.4954

Protanopia

43.0564, 0.4404, 0.4885

Deuteranopia

42.7105, 0.4683, 0.4586



Tritanopia

42.6812, 0.3360, 0.3127

Trichromacy



Original Color

42.9172, 0.4318, 0.4954

Protanomaly

43.0464, 0.4365, 0.4916

Deuteranomaly

42.4856, 0.4559, 0.4720

Tritanomaly

41.9475, 0.3902, 0.4027

Monochromacy



Original Color

42.9172, 0.4318, 0.4954

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.8688, 0.3746, 0.4211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9172, 0.4318, 0.4954 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, 178, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 178, 0)  
}
```

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, 178, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 178, 0) }
```

Border

The CSS property to change the border of an element to Yxy 42.9172, 0.4318, 0.4954 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, 178, 0) }
```

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

```
.border{ border-color:rgb(191, 178, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 178, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 178, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 178, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 178,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9172, 0.4318, 0.4954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 178, 0) }
```

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

```
.background{ background-color: rgb(191,  
178, 0) }
```

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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