

Converting Colors

$Y_{xy}(42.7760, 0.4403, 0.5203)$

Have a look what the booklet for
Yxy(42.7760, 0.4403, 0.5203)
contains.

| | |
|---|----|
| Yxy(42.8050, 0.4270, 0.4992) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 29 |

Color

Yxy(42.8050, 0.4270, 0.4992)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | BBB300 |
| RGB | 187, 179, 0 |
| RGB Percent | 73%, 70%, 0% |
| CMY | 0.2666, 0.2980, 1.0000 |
| CMYK | 0.00, 0.04, 1.00, 0.27 |
| HSL | 57°, 100%, 37% |
| HSV | 57°, 100%, 73% |
| XYZ | 36.6141, 42.8050, 6.3281 |
| YIQ | 160.9860, 62.2270, -53.9730 |

Conversions

Conversions Part 2

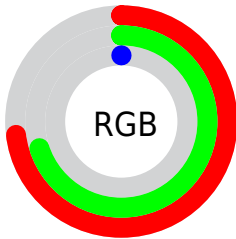
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 8, 187, 0 |
| Decimal | 12301056 |
| CIE Lab | 71.42, -13.01, 73.26 |
| CIE LCh | 71, 74.405, 100.072 |
| Yxy | 42.8050, 0.4270, 0.4992 |
| Android (android.graphics.Color) | 4290491136 (0xFFBBB300) |
| YUV | 160.9860, -79.3661, 22.8143 |
| Hunter-Lab | 65.4255, -14.6008, 40.0632 |

Details

The Yxy color **42.8050, 0.4270, 0.4992** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **3.7618, 0.1507, 0.0626**, and the grayscale version is **35.9900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1843, 0.4133, 0.4730**, and **19.8459, 0.4220, 0.5032** is the 20% darker color. If you saturate the color by 10%, you get **42.8073, 0.4270, 0.4992**, and if you desaturate by 10%, it is **43.1750, 0.4238, 0.4959**.

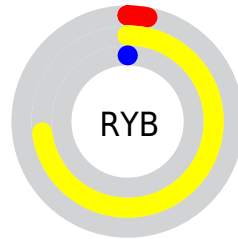
Distribution



Red (73%)

Green (70%)

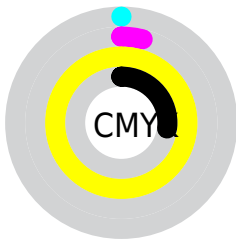
Blue (0%)



Red (3%)

Yellow (73%)

Blue (0%)

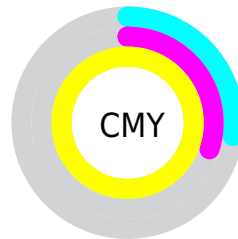


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (27%)



Cyan (27%)


Magenta (30%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8050, 0.4270, 0.4992 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 42.8050, 0.4270, 0.4992 by changing the saturation by 10% instead.


 42.8050, 0.4270,
0.4992


 42.8050, 0.4270,
0.4992


357.8092, 0.3790,
0.4199

 29.7321, 0.4340,
0.5145


 79.4165, 0.4129,
0.4733


 19.6354, 0.4398,
0.5309


 103.7240, 0.4066,
0.4625


 12.1303, 0.4470,
0.5530


 132.5451, 0.4008,
0.4531

 6.8325, 0.4383,
0.5617

 166.2642, 0.3955,
0.4448

 3.3575, 0.4248,
0.5752

 205.2658, 0.3908,
0.4375

 1.3211, 0.4011,
0.5989

 249.9343, 0.3865,

 0.1575, 0.0000,

0.4309

1.0000

300.6539, 0.3826,
0.4251

■ 0.0000, 0.0000,
0.0000

■ 42.8050, 0.4270,
0.4992

■ 42.8050, 0.4270,
0.4992

■ 42.8073, 0.4270,
0.4992

■ 43.1750, 0.4238,
0.4959

■ 43.5886, 0.4184,
0.4892

■ 44.0645, 0.4104,
0.4782

■ 44.6105, 0.3999,
0.4631

■ 45.2336, 0.3874,
0.4444

■ 45.9398, 0.3732,
0.4231

■ 46.7344, 0.3582,
0.4000

■ 47.6224, 0.3428,
0.3761

■ 48.6083, 0.3275,
0.3522

Harmonies

Analogous

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



42.8050, 0.4974, 0.4304



42.8050, 0.4270, 0.4992



42.8050, 0.3337, 0.5278

Triad

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



42.8050, 0.4270, 0.4992



42.8050, 0.1428, 0.2455



42.8050, 0.3667, 0.2315

Complementary

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



42.8050, 0.4270, 0.4992



3.7618, 0.1507, 0.0626

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.



42.8050, 0.2613, 0.1920



42.8050, 0.4270, 0.4992



42.8050, 0.1486, 0.1927

Square

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



42.8050, 0.4270, 0.4992



42.8050, 0.1718, 0.3457



42.8050, 0.1871, 0.1778



42.8050, 0.4694, 0.2899

Rectangle

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



42.8050, 0.4270, 0.4992



42.8050, 0.2696, 0.4981



42.8050, 0.1871, 0.1778



42.8050, 0.3294, 0.2158

Sweetspot

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



42.8073, 0.4270, 0.4992



83.6231, 0.3589, 0.4011



10.5860, 0.6349, 0.3271



18.2788, 0.3654, 0.4110



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



42.8073, 0.4270, 0.4992



76.5701, 0.4271, 0.4991



38.4178, 0.3436, 0.5654



11.0486, 0.3265, 0.3507



29.5206, 0.4269, 0.4993



1.1782, 0.4249, 0.5008

Inverse Universe

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



3.7618, 0.1507, 0.0626



6.6509, 0.1505, 0.0619



5.4799, 0.1929, 0.0836



9.2891, 0.2984, 0.3063



2.6189, 0.1509, 0.0632



0.1253, 0.1543, 0.0754

Previews

White Background



This preview shows how the Yxy color 42.8050, 0.4270, 0.4992 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 42.8050, 0.4270, 0.4992 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 42.8050, 0.4270, 0.4992

Background



This preview shows how black text looks on a background with the Yxy color 42.8050, 0.4270, 0.4992.



This preview shows how white text looks on a background with the Yxy color 42.8050, 0.4270, 0.4992.

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

42.8050, 0.4270, 0.4992

Deuteranopia

42.7192, 0.4678, 0.4580

Tritanopia

42.5329, 0.3311, 0.3126

Trichromacy



Original Color

42.8050, 0.4270, 0.4992

Deuteranomaly

42.7216, 0.4536, 0.4731

Tritanomaly

41.8101, 0.3848, 0.4038

Monochromacy



Original Color

42.8050, 0.4270, 0.4992

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.5106, 0.3724, 0.4236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8050, 0.4270, 0.4992 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(187, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(187, 179, 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(187, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 179, 0) }
```

Border

The CSS property to change the border of an element to Yxy 42.8050, 0.4270, 0.4992 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(187, 179, 0) }
```

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

```
.border{ border-color:rgb(187, 179, 0) }
```

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

Here you see how a box with a 4 pixel rgb(187, 179, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(187, 179,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 42.8050, 0.4270, 0.4992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 179, 0) }
```

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

```
.background{ background-color: rgb(187,  
179, 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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