

Converting Colors

Yxy(48.5322, 0.4284, 0.4980)

Have a look what the booklet for
Yxy(48.5322, 0.4284, 0.4980)
contains.

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Color

Yxy(48.5373, 0.4284, 0.4980)

Conversions

Conversions Part 1

Format	Color
Hex	C7BD00
RGB	199, 189, 0
RGB Percent	78%, 74%, 0%
CMY	0.2196, 0.2588, 0.9992
CMYK	0.00, 0.05, 1.00, 0.22
HSL	57°, 100%, 39%
HSV	57°, 100%, 78%
XYZ	41.7538, 48.5373, 7.1734
YIQ	170.4440, 66.6290, -56.6590

Conversions

Conversions Part 2

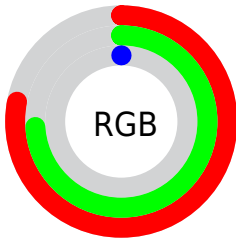
Format	Color
RYB	11, 199, 0
Decimal	13090048
CIELab	75.16, -12.85, 76.40
CIELCh	75, 77.473, 99.547
Yxy	48.5373, 0.4284, 0.4980
Android (android.graphics.Color)	4291280128 (0xFFC7BD00)
YUV	170.4440, -84.0289, 25.0436
Hunter-Lab	69.6687, -14.9418, 42.6634

Details

The Yxy color **48.5373, 0.4284, 0.4980** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as dark washed orange. A complement of this color would be **4.3472, 0.1508, 0.0629**, and the grayscale version is **40.8491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1740, 0.4112, 0.4753**, and **23.1838, 0.4243, 0.5013** is the 20% darker color. If you saturate the color by 10%, you get **48.5346, 0.4284, 0.4980**, and if you desaturate by 10%, it is **49.0226, 0.4251, 0.4950**.

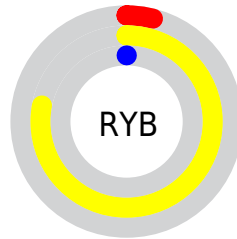
Distribution



Red (78%)

Green (74%)

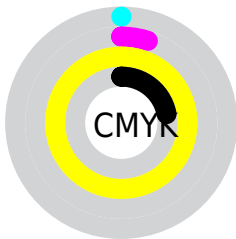
Blue (0%)



Red (4%)

Yellow (78%)

Blue (0%)

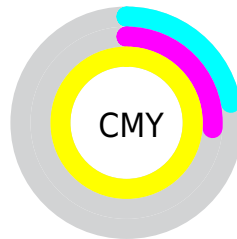


Cyan (0%)

Magenta (5%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (26%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5373, 0.4284, 0.4980 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 48.5373, 0.4284, 0.4980 by changing the saturation by 10% instead.

 48.5373, 0.4284,
0.4980

 48.5373, 0.4284,
0.4980


380.9179, 0.3810,
0.4213


 34.2526, 0.4353,
0.5124


 88.0039, 0.4146,
0.4733

 23.0877, 0.4413,
0.5279


 113.9545, 0.4084,
0.4630

 14.6583, 0.4483,
0.5479


 144.5625, 0.4026,
0.4539

 8.5799, 0.4425,
0.5575


 180.2124, 0.3974,
0.4458

 4.4682, 0.4314,
0.5686

 221.2885, 0.3927,
0.4386

 1.9388, 0.4128,
0.5872

 268.1751, 0.3884,

 0.5715, 0.2865,

0.4322

0.7135

321.2568, 0.3845,
0.4265

■ 0.0000, 0.0000,
0.0000

■ 48.5373, 0.4284,
0.4980

■ 48.5373, 0.4284,
0.4980

■ 48.5346, 0.4284,
0.4980

■ 49.0226, 0.4251,
0.4950

■ 49.5606, 0.4196,
0.4885

■ 50.1712, 0.4114,
0.4775

■ 50.8638, 0.4007,
0.4625

■ 51.6465, 0.3879,
0.4439

■ 52.5262, 0.3736,
0.4226

■ 53.5093, 0.3584,
0.3995

■ 54.6014, 0.3428,
0.3757

■ 55.8079, 0.3274,
0.3519

Harmonies

Analogous

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



48.5373, 0.4981, 0.4291



48.5373, 0.4284, 0.4980



48.5373, 0.3354, 0.5277

Triad

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



48.5373, 0.4284, 0.4980



48.5373, 0.1431, 0.2470



48.5373, 0.3646, 0.2307

Complementary

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



48.5373, 0.4284, 0.4980



4.3472, 0.1508, 0.0629

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.



48.5373, 0.2598, 0.1917



48.5373, 0.4284, 0.4980



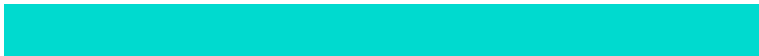
48.5373, 0.1484, 0.1935

Square

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



48.5373, 0.4284, 0.4980



48.5373, 0.1728, 0.3478



48.5373, 0.1863, 0.1779



48.5373, 0.4677, 0.2888

Rectangle

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



48.5373, 0.4284, 0.4980



48.5373, 0.2713, 0.4992



48.5373, 0.1863, 0.1779



48.5373, 0.3275, 0.2152

Sweetspot

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



48.5396, 0.4284, 0.4980



93.5816, 0.3592, 0.4008



12.1783, 0.6334, 0.3264



19.8688, 0.3658, 0.4108



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.



48.5396, 0.4284, 0.4980



84.8603, 0.4286, 0.4979



44.3537, 0.3458, 0.5635



12.3219, 0.3266, 0.3507



31.2448, 0.4283, 0.4981



1.5082, 0.4263, 0.4998

Inverse Universe

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



4.3472, 0.1508, 0.0629



7.5037, 0.1506, 0.0621



6.1239, 0.1897, 0.0819



10.3717, 0.2983, 0.3063



2.8299, 0.1510, 0.0636



0.1646, 0.1545, 0.0763

Previews

White Background



This preview shows how the Yxy color 48.5373, 0.4284, 0.4980 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 48.5373, 0.4284, 0.4980 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 48.5373, 0.4284, 0.4980

Background



This preview shows how black text looks on a background with the Yxy color 48.5373, 0.4284, 0.4980.

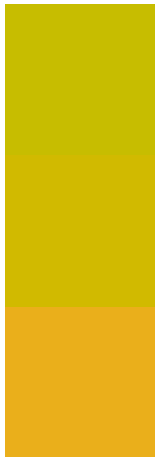


This preview shows how white text looks on a background with the Yxy color 48.5373, 0.4284, 0.4980.

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

48.5373, 0.4284, 0.4980

Protanopia

48.6731, 0.4403, 0.4886

Deuteranopia

48.2315, 0.4691, 0.4575



Tritanopia

48.5737, 0.3328, 0.3135

Trichromacy



Original Color

48.5373, 0.4284, 0.4980

Protanomaly

48.5198, 0.4357, 0.4922

Deuteranomaly

48.0551, 0.4548, 0.4727

Tritanomaly

47.6692, 0.3872, 0.4044

Monochromacy



Original Color

48.5373, 0.4284, 0.4980

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

42.3507, 0.3740, 0.4226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5373, 0.4284, 0.4980 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(199, 189, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 189, 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(199, 189, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 189, 0) }
```

Border

The CSS property to change the border of an element to Yxy 48.5373, 0.4284, 0.4980 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(199, 189, 0) }
```

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

```
.border{ border-color:rgb(199, 189, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 189, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 189, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 189, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 189,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5373, 0.4284, 0.4980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 189, 0) }
```

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

```
.background{ background-color: rgb(199,  
189, 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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