

Converting Colors

$Y_{xy}(48.7351, 0.4297, 0.4750)$

Have a look what the booklet for
Yxy(48.7351, 0.4297, 0.4750)
contains.

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Color

Yxy(48.7329, 0.4297, 0.4750)

Conversions

Conversions Part 1

Format	Color
Hex	D0BA2F
RGB	208, 186, 47
RGB Percent	82%, 73%, 18%
CMY	0.1843, 0.2706, 0.8155
CMYK	0.00, 0.11, 0.77, 0.18
HSL	52°, 63%, 50%
HSV	52°, 77%, 82%
XYZ	44.0853, 48.7329, 9.7774
YIQ	176.7320, 57.7310, -38.5650

Conversions

Conversions Part 2

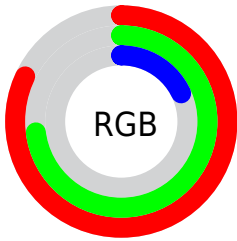
Format	Color
RYB	72, 208, 47
Decimal	13679151
CIELab	75.28, -6.43, 67.83
CIElCh	75, 68.131, 95.415
Yxy	48.7329, 0.4297, 0.4750
Android (android.graphics.Color)	4291869231 (0xFFD0BA2F)
YUV	176.7320, -63.9579, 27.4220
Hunter-Lab	69.8090, -9.4404, 40.5622

Details

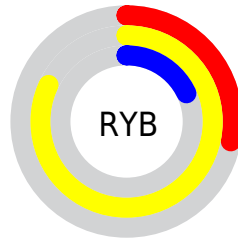
The Yxy color **48.7329, 0.4297, 0.4750** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle washed orange. A complement of this color would be **9.4221, 0.1732, 0.1111**, and the grayscale version is **44.1419, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7637, 0.4039, 0.4588**, and **23.2591, 0.4404, 0.4885** is the 20% darker color. If you saturate the color by 10%, you get **47.4194, 0.4384, 0.4816**, and if you desaturate by 10%, it is **50.1549, 0.4182, 0.4639**.

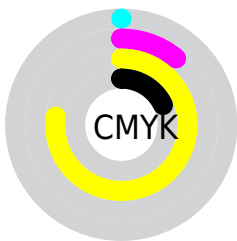
Distribution



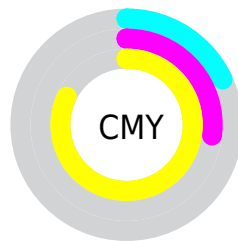
- Red (82%)
- Green (73%)
- Blue (18%)



- Red (28%)
- Yellow (82%)
- Blue (18%)



- Cyan (0%)
- Magenta (11%)
- Yellow (77%)
- Black (18%)





- Cyan (18%)
- Magenta (27%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7329, 0.4297, 0.4750 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 48.7329, 0.4297, 0.4750 by changing the saturation by 10% instead.


 48.7329, 0.4297,
0.4750


 48.7329, 0.4297,
0.4750

381.6899, 0.3785,
0.4082


 34.4076, 0.4389,
0.4881


 88.2946, 0.4136,
0.4531

 23.2069, 0.4483,
0.5025

 114.2999, 0.4067,
0.4441


 14.7464, 0.4571,
0.5178


 144.9673, 0.4006,
0.4362

 8.6416, 0.4652,
0.5348

 180.6812, 0.3952,
0.4292

 4.5082, 0.4598,
0.5402

 221.8260, 0.3903,
0.4231

 1.9617, 0.4508,
0.5492

 268.7861, 0.3860,

 0.5851, 0.4055,

0.4175

0.5945

321.9459, 0.3820,
0.4126

■ 0.0000, 0.0000,
0.0000

■ 48.7329, 0.4297,
0.4750

■ 48.7329, 0.4297,
0.4750

■ 47.4194, 0.4384,
0.4816

■ 50.1549, 0.4182,
0.4639

■ 46.1934, 0.4445,
0.4839

■ 51.6885, 0.4045,
0.4488

■ 45.8805, 0.4459,
0.4842

■ 53.3448, 0.3891,
0.4305

■ 55.1314, 0.3727,
0.4100

■ 57.0554, 0.3560,
0.3883

■ 59.1232, 0.3396,
0.3663

■ 61.3406, 0.3238,
0.3445

■ 63.7132, 0.3089,
0.3236

■ 66.2463, 0.2951,
0.3039

Harmonies

Analogous

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



48.7329, 0.4851, 0.4143



48.7329, 0.4297, 0.4750



48.7329, 0.3483, 0.5032

Triad

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



48.7329, 0.4297, 0.4750



48.7329, 0.1613, 0.2679



48.7329, 0.3457, 0.2346

Complementary

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



48.7329, 0.4297, 0.4750



9.4221, 0.1732, 0.1111

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.



48.7329, 0.2552, 0.2015



48.7329, 0.4297, 0.4750



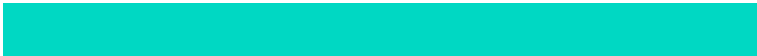
48.7329, 0.1614, 0.2125

Square

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



48.7329, 0.4297, 0.4750



48.7329, 0.1948, 0.3615



48.7329, 0.1923, 0.1927



48.7329, 0.4386, 0.2863

Rectangle

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



48.7329, 0.4297, 0.4750



48.7329, 0.2900, 0.4839



48.7329, 0.1923, 0.1927



48.7329, 0.3135, 0.2211

Sweetspot

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



48.7352, 0.4297, 0.4750



91.7736, 0.3492, 0.3793



15.9047, 0.5454, 0.3079



19.3918, 0.3553, 0.3873



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.



48.7352, 0.4297, 0.4750



73.8597, 0.4427, 0.4836



51.9609, 0.3641, 0.5262



13.5106, 0.3269, 0.3489



28.7002, 0.4454, 0.4845



1.6826, 0.4399, 0.4889

Inverse Universe

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



9.4221, 0.1732, 0.1111



9.6507, 0.1562, 0.0775



9.4979, 0.2048, 0.1078



11.6745, 0.2982, 0.3083



3.4512, 0.1532, 0.0714



0.2797, 0.1606, 0.0983

Previews

White Background



This preview shows how the Yxy color 48.7329, 0.4297, 0.4750 looks on a white background.

Color Contrast Check

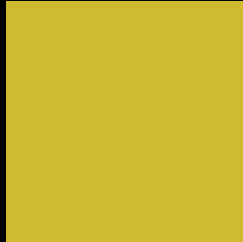
Large Text (above 18pt) WCAG AA × Fail

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 48.7329, 0.4297, 0.4750 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 48.7329, 0.4297, 0.4750

Background



This preview shows how black text looks on a background with the Yxy color 48.7329, 0.4297, 0.4750.



This preview shows how white text looks on a background with the Yxy color 48.7329, 0.4297, 0.4750.

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

48.7329, 0.4297, 0.4750

Protanopia

48.7329, 0.4297, 0.4750

Deuteranopia

48.6222, 0.4590, 0.4486



Tritanopia

48.3804, 0.3413, 0.3126

Trichromacy



Original Color

48.7329, 0.4297, 0.4750

Protanomaly

48.7329, 0.4297, 0.4750

Deuteranomaly

48.7201, 0.4483, 0.4585

Tritanomaly

47.9145, 0.3817, 0.3802

Monochromacy



Original Color

48.7329, 0.4297, 0.4750

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.9456, 0.3615, 0.3954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7329, 0.4297, 0.4750 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(208, 186, 47)` looks like.

```
.text, #text, p{  
    color:rgb(208, 186, 47)  
}
```

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(208, 186, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 186, 47) }
```

Border

The CSS property to change the border of an element to Yxy 48.7329, 0.4297, 0.4750 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(208, 186, 47) }
```

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

```
.border{ border-color:rgb(208, 186, 47) }
```

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

Here you see how a box with a 4 pixel rgb(208, 186, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 186, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 186, 47);  
box-shadow:4px 4px 4px 4px rgb(208, 186,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7329, 0.4297, 0.4750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 186, 47) }
```

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

```
.background{ background-color: rgb(208,  
186, 47) }
```

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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