

Converting Colors

Yxy(53.2120, 0.4405, 0.4888)

Have a look what the booklet for
Yxy(53.2120, 0.4405, 0.4888)
contains.

Yxy(53.4890, 0.4403, 0.4886)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.4890, 0.4403, 0.4886)

Conversions

Conversions Part 1

Format	Color
Hex	DAC200
RGB	218, 194, 0
RGB Percent	85%, 76%, 0%
CMY	0.1452, 0.2392, 1.0000
CMYK	0.00, 0.11, 1.00, 0.15
HSL	53°, 100%, 43%
HSV	53°, 100%, 85%
XYZ	48.2014, 53.4890, 7.7836
YIQ	179.0600, 76.5780, -55.2460

Conversions

Conversions Part 2

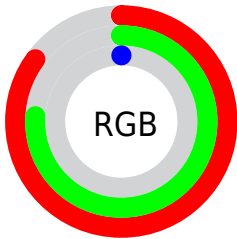
Format	Color
RYB	27, 218, 0
Decimal	14336512
CIELab	78.16, -7.15, 79.34
CIELCh	78, 79.666, 95.146
Yxy	53.4890, 0.4403, 0.4886
Android (android.graphics.Color)	4292526592 (0xFFDAC200)
YUV	179.0600, -88.2766, 34.1504
Hunter-Lab	73.1362, -10.3454, 44.8853

Details

The Yxy color **53.4890, 0.4403, 0.4886** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **5.7136, 0.1519, 0.0669**, and the grayscale version is **45.5637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2557, 0.4078, 0.4781**, and **26.3189, 0.4393, 0.4894** is the 20% darker color. If you saturate the color by 10%, you get **53.4910, 0.4403, 0.4886**, and if you desaturate by 10%, it is **54.6245, 0.4356, 0.4867**.

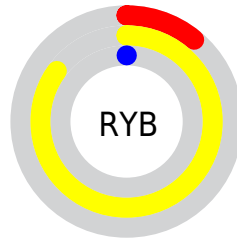
Distribution



Red (85%)

Green (76%)

Blue (0%)



Red (11%)

Yellow (85%)

Blue (0%)

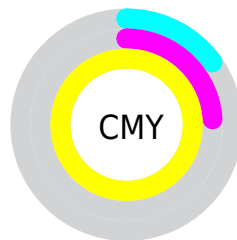


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (24%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.4890, 0.4403, 0.4886 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 53.4890, 0.4403, 0.4886 by changing the saturation by 10% instead.

53.4890, 0.4403,
0.4886

53.4890, 0.4403,
0.4886

400.1584, 0.3879,
0.4194

38.1933, 0.4484,
0.5008

95.3235, 0.4248,
0.4670

26.1327, 0.4560,
0.5134

122.6311, 0.4179,
0.4578

16.9230, 0.4639,
0.5280

154.7115, 0.4116,
0.4496

10.1796, 0.4640,
0.5360

191.9490, 0.4059,
0.4422

5.5182, 0.4587,
0.5413

234.7281, 0.4008,
0.4355

2.5544, 0.4502,
0.5498

283.4330, 0.3961,

0.9038, 0.4310,

0.4296

0.5690

338.4484, 0.3918,
0.4242

■ 0.0000, 0.0000,
0.0000

■ 53.4890, 0.4403,
0.4886

■ 53.4890, 0.4403,
0.4886

■ 53.4910, 0.4403,
0.4886

■ 54.6245, 0.4356,
0.4867

■ 55.8393, 0.4285,
0.4811

■ 57.1572, 0.4186,
0.4709

■ 58.5902, 0.4062,
0.4565

■ 60.1483, 0.3919,
0.4386

■ 61.8405, 0.3763,
0.4182

■ 63.6746, 0.3600,
0.3961

■ 65.6579, 0.3437,
0.3734

■ 67.7971, 0.3278,
0.3509

Harmonies

Analogous

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



53.4890, 0.5041, 0.4181



53.4890, 0.4403, 0.4886



53.4890, 0.3497, 0.5271

Triad

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



53.4890, 0.4403, 0.4886



53.4890, 0.1457, 0.2591



53.4890, 0.3481, 0.2240

Complementary

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



53.4890, 0.4403, 0.4886



5.7136, 0.1519, 0.0669

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.



53.4890, 0.2470, 0.1885



53.4890, 0.4403, 0.4886



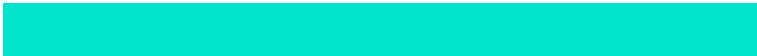
53.4890, 0.1462, 0.1992

Square

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



53.4890, 0.4403, 0.4886



53.4890, 0.1810, 0.3658



53.4890, 0.1790, 0.1788



53.4890, 0.4542, 0.2797

Rectangle

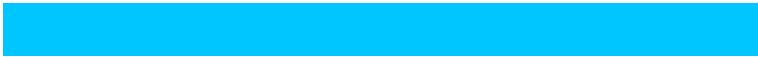
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.4890, 0.4403, 0.4886



53.4890, 0.2853, 0.5084



53.4890, 0.1790, 0.1788



53.4890, 0.3117, 0.2095

Sweetspot

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



53.4916, 0.4403, 0.4886



90.7639, 0.3604, 0.3967



14.9750, 0.6274, 0.3230



19.1841, 0.3674, 0.4062



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.



53.4916, 0.4403, 0.4886



76.1750, 0.4405, 0.4884



55.2371, 0.3531, 0.5578



15.0065, 0.3270, 0.3496



32.1506, 0.4399, 0.4889



2.1542, 0.4361, 0.4919

Inverse Universe

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



5.7136, 0.1519, 0.0669



8.0525, 0.1517, 0.0662



6.9261, 0.1808, 0.0770



12.8465, 0.2981, 0.3075



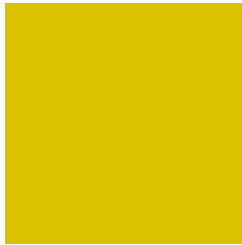
3.5007, 0.1523, 0.0682



0.3060, 0.1579, 0.0885

Previews

White Background



This preview shows how the Yxy color 53.4890, 0.4403, 0.4886 looks on a white background.

Color Contrast Check

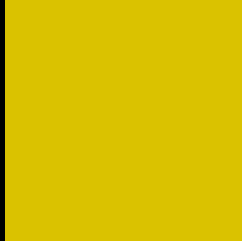
Large Text (above 18pt) WCAG AA × Fail

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 53.4890, 0.4403, 0.4886 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 53.4890, 0.4403, 0.4886

Background



This preview shows how black text looks on a background with the Yxy color 53.4890, 0.4403, 0.4886.



This preview shows how white text looks on a background with the Yxy color 53.4890, 0.4403, 0.4886.

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

53.4890, 0.4403, 0.4886

Protanopia

53.4890, 0.4403, 0.4886

Deuteranopia

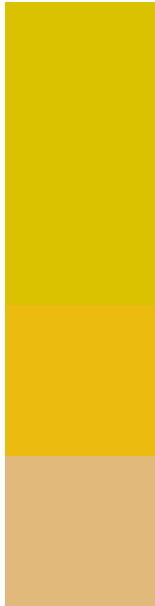
53.1660, 0.4697, 0.4590



Tritanopia

53.1956, 0.3438, 0.3133

Trichromacy



Original Color

53.4890, 0.4403, 0.4886

Protanomaly

53.4890, 0.4403, 0.4886

Deuteranomaly

53.2373, 0.4599, 0.4697

Tritanomaly

52.1355, 0.3993, 0.4005

Monochromacy



Original Color

53.4890, 0.4403, 0.4886

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.8333, 0.3774, 0.4191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.4890, 0.4403, 0.4886 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(218, 194, 0)` looks like.

```
.text, #text, p{  
    color:rgb(218, 194, 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(218, 194, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 194, 0) }
```

Border

The CSS property to change the border of an element to Yxy 53.4890, 0.4403, 0.4886 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(218, 194, 0) }
```

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

```
.border{ border-color:rgb(218, 194, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 194, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 194, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 194, 0);  
box-shadow:4px 4px 4px 4px rgb(218, 194,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 53.4890, 0.4403, 0.4886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 194, 0) }
```

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

```
.background{ background-color: rgb(218,  
194, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor