

Converting Colors

Yxy(53.4021, 0.4857, 0.4526)

Have a look what the booklet for
Yxy(53.4021, 0.4857, 0.4526)
contains.

Yxy(53.5002, 0.4854, 0.4528)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(53.5002, 0.4854, 0.4528)

Conversions

Conversions Part 1

Format	Color
Hex	FFB300
RGB	255, 179, 0
RGB Percent	100%, 70%, 0%
CMY	0.0001, 0.2980, 1.0000
CMYK	0.00, 0.30, 1.00, 0.00
HSL	42°, 100%, 50%
HSV	42°, 100%, 100%
XYZ	57.3520, 53.5002, 7.3019
YIQ	181.3180, 102.7550, -39.5570

Conversions

Conversions Part 2

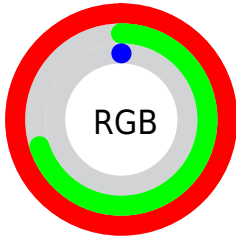
Format	Color
R _Y B	108, 255, 0
Decimal	16757504
CIE Lab	78.17, 16.61, 81.10
CIE LCh	78, 82.788, 78.426
Yxy	53.5002, 0.4854, 0.4528
Android (android.graphics.Color)	4294947584 (0xFFFFB300)
YUV	181.3180, -89.3898, 64.6191
Hunter-Lab	73.1438, 11.9600, 45.2818

Details

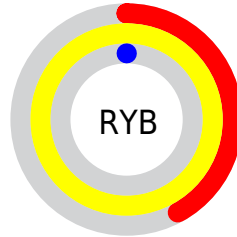
The Yxy color **53.5002, 0.4854, 0.4528** is a dark color, and the websafe version is hex **FFCC33**, and the color name is **ucla gold**. The color can be described as middle saturated orange. A complement of this color would be **12.3800, 0.1600, 0.0961**, and the grayscale version is **46.8434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2859, 0.4174, 0.4682**, and **26.3852, 0.4949, 0.4452** is the 20% darker color. If you saturate the color by 10%, you get **53.5030, 0.4854, 0.4528**, and if you desaturate by 10%, it is **56.7047, 0.4744, 0.4552**.

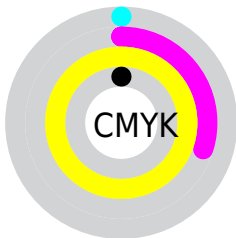
Distribution



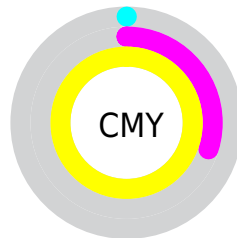
- Red (100%)
- Green (70%)
- Blue (0%)



- Red (42%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (30%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (30%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.5002, 0.4854, 0.4528 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 53.5002, 0.4854, 0.4528 by changing the saturation by 10% instead.


 53.5002, 0.4854,
0.4528


 53.5002, 0.4854,
0.4528


400.2012, 0.4110,
0.4064


 38.2022, 0.4985,
0.4586


 95.3400, 0.4623,
0.4403


 26.1397, 0.5123,
0.4630


 122.6506, 0.4524,
0.4343


 16.9282, 0.5290,
0.4672


 154.7342, 0.4435,
0.4286

 10.1833, 0.5388,
0.4612

 191.9753, 0.4356,
0.4234

 5.5207, 0.5499,
0.4501

 234.7581, 0.4285,
0.4186

 2.5559, 0.5670,
0.4330

 283.4671, 0.4220,

 0.9045, 0.5970,

0.4142

0.4030

338.4867, 0.4162,
0.4101

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 53.5002, 0.4854,
0.4528

■ 53.5002, 0.4854,
0.4528

■ 53.5030, 0.4854,
0.4528

■ 56.7047, 0.4744,
0.4552

■ 60.1709, 0.4604,
0.4529

■ 63.9331, 0.4435,
0.4456

■ 68.0113, 0.4245,
0.4340

■ 72.4229, 0.4044,
0.4190

■ 77.1831, 0.3841,
0.4018

■ 82.3059, 0.3644,
0.3834

■ 87.8040, 0.3457,
0.3648

■ 93.6895, 0.3285,
0.3465

Harmonies

Analogous

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



53.5002, 0.5252, 0.3775



53.5002, 0.4854, 0.4528



53.5002, 0.4036, 0.5187

Triad

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



53.5002, 0.4854, 0.4528



53.5002, 0.1556, 0.3122



53.5002, 0.2873, 0.1974

Complementary

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



53.5002, 0.4854, 0.4528



12.3800, 0.1600, 0.0961

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.



53.5002, 0.2010, 0.1753



53.5002, 0.4854, 0.4528



53.5002, 0.1370, 0.2230

Square

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



53.5002, 0.4854, 0.4528



53.5002, 0.2141, 0.4396



53.5002, 0.1522, 0.1815



53.5002, 0.4004, 0.2439

Rectangle

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



53.5002, 0.4854, 0.4528



53.5002, 0.3387, 0.5351



53.5002, 0.1522, 0.1815



53.5002, 0.2544, 0.1871

Sweetspot

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



53.5030, 0.4854, 0.4528



82.3274, 0.3644, 0.3834



21.7831, 0.5811, 0.2975



17.1494, 0.3726, 0.3912



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.



53.5030, 0.4854, 0.4528



53.5169, 0.4854, 0.4528



84.3352, 0.3837, 0.5336



20.1233, 0.3277, 0.3456



28.2369, 0.4840, 0.4539



2.9402, 0.4748, 0.4612

Inverse Universe

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



12.3800, 0.1600, 0.0961



12.3831, 0.1600, 0.0960



7.9218, 0.1586, 0.0647



18.2596, 0.2979, 0.3118



6.6958, 0.1608, 0.0988



0.8327, 0.1669, 0.1207

Previews

White Background



This preview shows how the Yxy color 53.5002, 0.4854, 0.4528 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 53.5002, 0.4854, 0.4528 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 53.5002, 0.4854, 0.4528

Background



This preview shows how black text looks on a background with the Yxy color 53.5002, 0.4854, 0.4528.



This preview shows how white text looks on a background with the Yxy color 53.5002, 0.4854, 0.4528.

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

53.5002, 0.4854, 0.4528

Protanopia

53.6811, 0.4395, 0.4855

Deuteranopia

53.6935, 0.4725, 0.4630



Tritanopia

53.3456, 0.3808, 0.3176

Trichromacy



Original Color

53.5002, 0.4854, 0.4528

Protanomaly

53.5729, 0.4560, 0.4740

Deuteranomaly

53.5956, 0.4777, 0.4589

Tritanomaly

52.3849, 0.4395, 0.3884

Monochromacy



Original Color

53.5002, 0.4854, 0.4528

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.2902, 0.3927, 0.4088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.5002, 0.4854, 0.4528 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(255, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 0) }
```

Border

The CSS property to change the border of an element to Yxy 53.5002, 0.4854, 0.4528 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(255, 179, 0) }
```

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

```
.border{ border-color:rgb(255, 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(255, 179, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 53.5002, 0.4854, 0.4528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 0) }
```

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

```
.background{ background-color: rgb(255,  
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](#).

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