

Converting Colors

$Y_{xy}(53.3253, 0.4341, 0.4742)$

Have a look what the booklet for
Yxy(53.3253, 0.4341, 0.4742)
contains.

Yxy(53.3973, 0.4336, 0.4747)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.3973, 0.4336, 0.4747)

Conversions

Conversions Part 1

Format	Color
Hex	DBC12E
RGB	219, 193, 46
RGB Percent	86%, 76%, 18%
CMY	0.1412, 0.2431, 0.8198
CMYK	0.00, 0.12, 0.79, 0.14
HSL	51°, 71%, 52%
HSV	51°, 79%, 86%
XYZ	48.7741, 53.3973, 10.3150
YIQ	184.0160, 62.6830, -40.2050

Conversions

Conversions Part 2

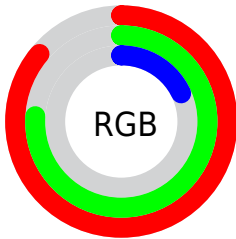
Format	Color
RYB	77, 219, 46
Decimal	14401838
CIELab	78.11, -5.34, 71.08
CIELCh	78, 71.284, 94.297
Yxy	53.3973, 0.4336, 0.4747
Android (android.graphics.Color)	4292591918 (0xFFDBC12E)
YUV	184.0160, -68.0419, 30.6810
Hunter-Lab	73.0735, -8.7357, 42.7821

Details

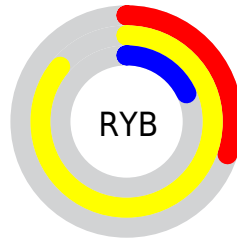
The Yxy color **53.3973, 0.4336, 0.4747** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **10.3198, 0.1713, 0.1090**, and the grayscale version is **48.2975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0313, 0.3996, 0.4633**, and **26.2298, 0.4429, 0.4866** is the 20% darker color. If you saturate the color by 10%, you get **51.8313, 0.4423, 0.4803**, and if you desaturate by 10%, it is **55.0887, 0.4221, 0.4645**.

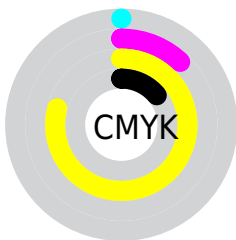
Distribution



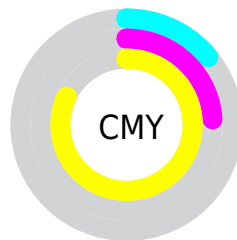
- Red (86%)
- Green (76%)
- Blue (18%)



- Red (30%)
- Yellow (86%)
- Blue (18%)



- Cyan (0%)
- Magenta (12%)
- Yellow (79%)
- Black (14%)




- Cyan (14%)
- Magenta (24%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.3973, 0.4336, 0.4747 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 53.3973, 0.4336, 0.4747 by changing the saturation by 10% instead.


 53.3973, 0.4336,
0.4747

 53.3973, 0.4336,
0.4747

399.8075, 0.3817,
0.4098


 38.1200, 0.4427,
0.4870


 95.1887, 0.4174,
0.4538


 26.0759, 0.4521,
0.5003


 122.4717, 0.4105,
0.4451


 16.8804, 0.4608,
0.5140


 154.5253, 0.4043,
0.4374

 10.1493, 0.4700,
0.5300

 191.7340, 0.3988,
0.4306

 5.4980, 0.4660,
0.5340

 234.4822, 0.3938,
0.4245

 2.5423, 0.4596,
0.5404

 283.1543, 0.3894,

 0.8978, 0.4460,

0.4191

0.5540

338.1346, 0.3853,
0.4142

■ 0.0000, 0.0000,
0.0000

■ 53.3973, 0.4336,
0.4747

■ 53.3973, 0.4336,
0.4747

■ 51.8313, 0.4423,
0.4803

■ 55.0887, 0.4221,
0.4645

■ 50.3641, 0.4483,
0.4817

■ 56.9098, 0.4083,
0.4503

■ 50.2230, 0.4489,
0.4818

■ 58.8734, 0.3927,
0.4326

■ 60.9884, 0.3761,
0.4126

■ 63.2629, 0.3592,
0.3912

■ 65.7043, 0.3425,
0.3694

■ 68.3194, 0.3264,
0.3478

■ 71.1148, 0.3113,
0.3270

■ 74.0963, 0.2973,
0.3073

Harmonies

Analogous

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



53.3973, 0.4886, 0.4124



53.3973, 0.4336, 0.4747



53.3973, 0.3517, 0.5059

Triad

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



53.3973, 0.4336, 0.4747



53.3973, 0.1601, 0.2697



53.3973, 0.3424, 0.2318

Complementary

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



53.3973, 0.4336, 0.4747



10.3198, 0.1713, 0.1090

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.



53.3973, 0.2514, 0.1993



53.3973, 0.4336, 0.4747



53.3973, 0.1591, 0.2123

Square

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



53.3973, 0.4336, 0.4747



53.3973, 0.1951, 0.3659



53.3973, 0.1891, 0.1913



53.3973, 0.4374, 0.2835

Rectangle

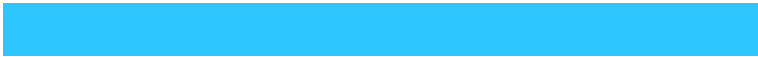
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.3973, 0.4336, 0.4747



53.3973, 0.2926, 0.4886



53.3973, 0.1891, 0.1913



53.3973, 0.3098, 0.2185

Sweetspot

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



53.3999, 0.4336, 0.4747



90.9424, 0.3511, 0.3807



17.5141, 0.5488, 0.3056



19.2040, 0.3571, 0.3886



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.



53.3999, 0.4336, 0.4747



71.7562, 0.4466, 0.4815



58.4654, 0.3664, 0.5278



14.9133, 0.3270, 0.3487



29.9106, 0.4484, 0.4822



2.0301, 0.4429, 0.4865

Inverse Universe

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



10.3198, 0.1713, 0.1090



9.5107, 0.1555, 0.0765



9.9852, 0.1996, 0.1026



12.9312, 0.2981, 0.3085



3.7731, 0.1536, 0.0729



0.3461, 0.1606, 0.0982

Previews

White Background



This preview shows how the Yxy color 53.3973, 0.4336, 0.4747 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 53.3973, 0.4336, 0.4747 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 53.3973, 0.4336, 0.4747

Background



This preview shows how black text looks on a background with the Yxy color 53.3973, 0.4336, 0.4747.



This preview shows how white text looks on a background with the Yxy color 53.3973, 0.4336, 0.4747.

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

53.3973, 0.4336, 0.4747

Protanopia

53.5325, 0.4310, 0.4767

Deuteranopia

53.1607, 0.4611, 0.4498



Tritanopia

53.3606, 0.3446, 0.3133

Trichromacy



Original Color

53.3973, 0.4336, 0.4747

Protanomaly

53.6863, 0.4319, 0.4761

Deuteranomaly

53.2548, 0.4507, 0.4593

Tritanomaly

52.7601, 0.3862, 0.3813

Monochromacy



Original Color

53.3973, 0.4336, 0.4747

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

49.1322, 0.3640, 0.3966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3973, 0.4336, 0.4747 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(219, 193, 46)` looks like.

```
.text, #text, p{  
    color:rgb(219, 193, 46)  
}
```

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(219, 193, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 193, 46) }
```

Border

The CSS property to change the border of an element to Yxy 53.3973, 0.4336, 0.4747 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(219, 193, 46) }
```

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

```
.border{ border-color:rgb(219, 193, 46) }
```

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

Here you see how a box with a 4 pixel rgb(219, 193, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 193, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 193, 46);  
box-shadow:4px 4px 4px 4px rgb(219, 193,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3973, 0.4336, 0.4747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 193, 46) }
```

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

```
.background{ background-color: rgb(219,  
193, 46) }
```

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