

Converting Colors

Yxy(53.2408, 0.4167, 0.4049)

Have a look what the booklet for
Yxy(53.2408, 0.4167, 0.4049)
contains.

Yxy(53.3517, 0.4160, 0.4048)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.3517, 0.4160, 0.4048)

Conversions

Conversions Part 1

Format	Color
Hex	ECB873
RGB	236, 184, 115
RGB Percent	93%, 72%, 45%
CMY	0.0745, 0.2784, 0.5491
CMYK	0.00, 0.22, 0.51, 0.07
HSL	34°, 76%, 69%
HSV	34°, 51%, 93%
XYZ	54.8278, 53.3517, 23.6181
YIQ	191.6820, 53.1410, -10.4350

Conversions

Conversions Part 2

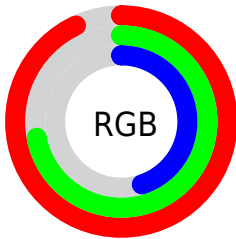
Format	Color
RYB	206, 236, 115
Decimal	15513715
CIELab	78.08, 10.69, 42.04
CIELCh	78, 43.381, 75.728
Yxy	53.3517, 0.4160, 0.4048
Android (android.graphics.Color)	4293703795 (0xFFECB873)
YUV	191.6820, -37.8042, 38.8669
Hunter-Lab	73.0422, 6.1638, 31.9582

Details

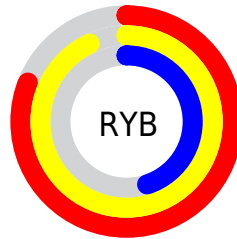
The Yxy color **53.3517, 0.4160, 0.4048** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **37.3274, 0.2280, 0.2362**, and the grayscale version is **52.7188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4073, 0.3689, 0.4011**, and **26.0792, 0.4417, 0.4200** is the 20% darker color. If you saturate the color by 10%, you get **48.8158, 0.4407, 0.4168**, and if you desaturate by 10%, it is **58.3338, 0.3921, 0.3907**.

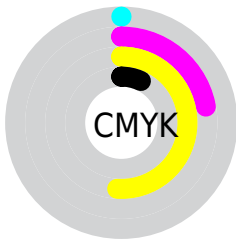
Distribution



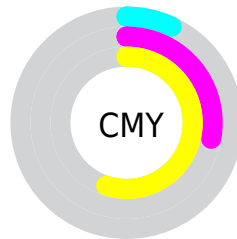
- Red (93%)
- Green (72%)
- Blue (45%)



- Red (81%)
- Yellow (93%)
- Blue (45%)



- Cyan (0%)
- Magenta (22%)
- Yellow (51%)
- Black (7%)





- Cyan (7%)
- Magenta (28%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.3517, 0.4160, 0.4048 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 53.3517, 0.4160, 0.4048 by changing the saturation by 10% instead.


 53.3517, 0.4160,
0.4048

 53.3517, 0.4160,
0.4048


399.6330, 0.3664,
0.3703

 38.0836, 0.4274,
0.4121


 95.1217, 0.3987,
0.3932

 26.0476, 0.4412,
0.4205


 122.3924, 0.3919,
0.3886

 16.8592, 0.4583,
0.4303


 154.4327, 0.3862,
0.3845

 10.1342, 0.4795,
0.4410

191.6271, 0.3812,
0.3810

 5.4880, 0.5088,
0.4543

234.3599, 0.3768,
0.3779

 2.5363, 0.5399,
0.4601

283.0156, 0.3729,

 0.8948, 0.5605,

0.3751

0.4395

337.9785, 0.3695,
0.3726

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

53.3517, 0.4160,
0.4048

53.3517, 0.4160,
0.4048

48.8158, 0.4407,
0.4168

58.3338, 0.3921,
0.3907

44.7012, 0.4651,
0.4255


63.7702, 0.3697,
0.3755


40.9916, 0.4879,
0.4297

69.6782, 0.3493,
0.3601

37.6654, 0.5076,
0.4286

76.0717, 0.3310,
0.3451

 35.0530, 0.5221,
0.4236

 82.9639, 0.3147,
0.3308

 90.2654, 0.3012,
0.3189

 96.5649, 0.3011,
0.3290

 96.5743, 0.3011,
0.3290

Harmonies

Analogous

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



53.3517, 0.4282, 0.3630



53.3517, 0.4160, 0.4048



53.3517, 0.3757, 0.4318

Triad

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



53.3517, 0.4160, 0.4048



53.3517, 0.2265, 0.3301



53.3517, 0.2961, 0.2497

Complementary

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



53.3517, 0.4160, 0.4048



37.3274, 0.2280, 0.2362

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.



53.3517, 0.2465, 0.2381



53.3517, 0.4160, 0.4048



53.3517, 0.2095, 0.2782

Square

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



53.3517, 0.4160, 0.4048



53.3517, 0.2661, 0.3888



53.3517, 0.2165, 0.2468



53.3517, 0.3553, 0.2780

Rectangle

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



53.3517, 0.4160, 0.4048



53.3517, 0.3397, 0.4337



53.3517, 0.2165, 0.2468



53.3517, 0.2778, 0.2437

Sweetspot

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



53.3543, 0.4160, 0.4048



87.7359, 0.3377, 0.3507



32.8945, 0.3938, 0.2713



18.4333, 0.3415, 0.3539



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.



53.3543, 0.4160, 0.4048



57.6926, 0.4431, 0.4179



77.7170, 0.3815, 0.4556



16.4803, 0.3279, 0.3424



19.5825, 0.5200, 0.4253



1.7281, 0.5023, 0.4394

Inverse Universe

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



37.3274, 0.2280, 0.2362



36.6040, 0.2107, 0.2119



22.5251, 0.2195, 0.1679



15.6132, 0.2980, 0.3152



8.7570, 0.1710, 0.1354



0.8752, 0.1784, 0.1624

Previews

White Background



This preview shows how the Yxy color 53.3517, 0.4160, 0.4048 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 53.3517, 0.4160, 0.4048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

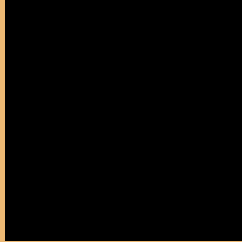
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.3517, 0.4160, 0.4048

Background



This preview shows how black text looks on a background with the Yxy color 53.3517, 0.4160, 0.4048.



This preview shows how white text looks on a background with the Yxy color 53.3517, 0.4160, 0.4048.

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

53.3517, 0.4160, 0.4048

Protanopia

53.2968, 0.3864, 0.4186

Deuteranopia

53.5979, 0.4145, 0.4061



Tritanopia

53.1680, 0.3615, 0.3149

Trichromacy



Original Color

53.3517, 0.4160, 0.4048

Protanomaly

53.3269, 0.3968, 0.4137

Deuteranomaly

53.5979, 0.4145, 0.4061

Tritanomaly

52.9393, 0.3832, 0.3481

Monochromacy



Original Color

53.3517, 0.4160, 0.4048

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

52.4854, 0.3488, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3517, 0.4160, 0.4048 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(236, 184, 115)` looks like.

```
.text, #text, p{  
    color:rgb(236, 184, 115)  
}
```

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(236, 184, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 184, 115) }
```

Border

The CSS property to change the border of an element to Yxy 53.3517, 0.4160, 0.4048 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(236, 184, 115) }
```

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

```
.border{ border-color:rgb(236, 184, 115) }
```

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

Here you see how a box with a 4 pixel rgb(236, 184, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 184, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 184, 115);  
box-shadow:4px 4px 4px 4px rgb(236, 184,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3517, 0.4160, 0.4048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 184, 115) }
```

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

```
.background{ background-color: rgb(236,  
184, 115) }
```

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