

Converting Colors

$Y_{xy}(51.4242, 0.4032, 0.3975)$

Have a look what the booklet for
Yxy(51.4242, 0.4032, 0.3975)
contains.

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Color

Yxy(51.2169, 0.4027, 0.3968)

Conversions

Conversions Part 1

Format	Color
Hex	E3B67B
RGB	227, 182, 123
RGB Percent	89%, 71%, 48%
CMY	0.1098, 0.2862, 0.5177
CMYK	0.00, 0.20, 0.46, 0.11
HSL	34°, 65%, 69%
HSV	34°, 46%, 89%
XYZ	51.9784, 51.2169, 25.8795
YIQ	188.7290, 45.7590, -8.8090

Conversions

Conversions Part 2

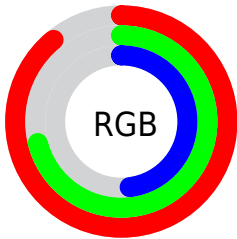
Format	Color
R_{YB}	202, 227, 123
Decimal	14923387
CIE _{Lab}	76.81, 8.84, 36.13
CIE _{LCh}	77, 37.195, 76.254
Yxy	51.2169, 0.4027, 0.3968
Android (android.graphics.Color)	4293113467 (0xFFE3B67B)
YUV	188.7290, -32.4044, 33.5637
Hunter-Lab	71.5660, 4.4042, 28.6559

Details

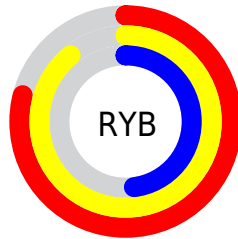
The Yxy color **51.2169, 0.4027, 0.3968** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **37.7469, 0.2373, 0.2486**, and the grayscale version is **50.8952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5437, 0.3644, 0.3914**, and **24.6166, 0.4254, 0.4120** is the 20% darker color. If you saturate the color by 10%, you get **46.8340, 0.4271, 0.4101**, and if you desaturate by 10%, it is **56.0183, 0.3796, 0.3821**.

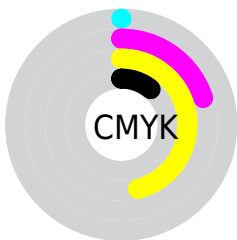
Distribution



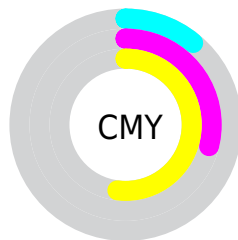
- Red (89%)
- Green (71%)
- Blue (48%)



- Red (79%)
- Yellow (89%)
- Blue (48%)



- Cyan (0%)
- Magenta (20%)
- Yellow (46%)
- Black (11%)





- Cyan (11%)
- Magenta (29%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2169, 0.4027, 0.3968 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 51.2169, 0.4027, 0.3968 by changing the saturation by 10% instead.

 51.2169, 0.4027,
0.3968

 51.2169, 0.4027,
0.3968


391.4059, 0.3589,
0.3652

 36.3813, 0.4130,
0.4038


 91.9753, 0.3872,
0.3859

 24.7288, 0.4258,
0.4121


 118.6669, 0.3812,
0.3817

 15.8751, 0.4418,
0.4222


 150.0792, 0.3762,
0.3780

 9.4358, 0.4624,
0.4339

186.5966, 0.3718,
0.3748

 5.0265, 0.4895,
0.4476

228.6036, 0.3679,
0.3719

 2.2628, 0.5327,
0.4673

276.4846, 0.3645,

 0.7539, 0.5538,

0.3694

0.4462

330.6239, 0.3616,
0.3672

0.0000, 0.0000,
0.0000

51.2169, 0.4027,
0.3968

51.2169, 0.4027,
0.3968

46.8340, 0.4271,
0.4101

56.0183, 0.3796,
0.3821

42.8474, 0.4519,
0.4207

61.2449, 0.3583,
0.3668

39.2432, 0.4758,
0.4275

66.9121, 0.3390,
0.3517

36.0030, 0.4976,
0.4293

73.0324, 0.3218,
0.3371

33.1055, 0.5158,
0.4257

79.6175, 0.3066,
0.3234

■ 31.9836, 0.5227,
0.4232

■ 86.4066, 0.2956,
0.3147

■ 92.3729, 0.2957,
0.3247

■ 95.0692, 0.2958,
0.3290

Harmonies

Analogous

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



51.2169, 0.4132, 0.3606



51.2169, 0.4027, 0.3968



51.2169, 0.3676, 0.4186

Triad

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



51.2169, 0.4027, 0.3968



51.2169, 0.2367, 0.3297



51.2169, 0.2994, 0.2592

Complementary

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



51.2169, 0.4027, 0.3968



37.7469, 0.2373, 0.2486

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.



51.2169, 0.2554, 0.2488



51.2169, 0.4027, 0.3968



51.2169, 0.2216, 0.2846

Square

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



51.2169, 0.4027, 0.3968



51.2169, 0.2717, 0.3797



51.2169, 0.2282, 0.2568



51.2169, 0.3508, 0.2848

Rectangle

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



51.2169, 0.4027, 0.3968



51.2169, 0.3361, 0.4191



51.2169, 0.2282, 0.2568



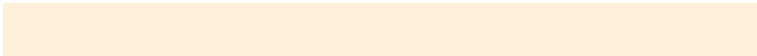
51.2169, 0.2833, 0.2539

Sweetspot

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



51.2193, 0.4027, 0.3968



88.4523, 0.3359, 0.3491



33.3205, 0.3812, 0.2771



18.5741, 0.3398, 0.3523



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.



51.2193, 0.4027, 0.3968



61.2302, 0.4259, 0.4095



71.5866, 0.3750, 0.4432



15.7188, 0.3278, 0.3423



18.8909, 0.5207, 0.4248



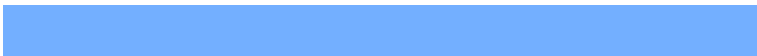
1.5798, 0.5019, 0.4397

Inverse Universe

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



37.7469, 0.2373, 0.2486



41.6650, 0.2217, 0.2281



24.4469, 0.2312, 0.1875



14.9072, 0.2981, 0.3153



8.5696, 0.1713, 0.1365



0.8150, 0.1791, 0.1649

Previews

White Background



This preview shows how the Yxy color 51.2169, 0.4027, 0.3968 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 51.2169, 0.4027, 0.3968 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 51.2169, 0.4027, 0.3968

Background



This preview shows how black text looks on a background with the Yxy color 51.2169, 0.4027, 0.3968.



This preview shows how white text looks on a background with the Yxy color 51.2169, 0.4027, 0.3968.

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

51.2169, 0.4027, 0.3968

Protanopia

51.4551, 0.3773, 0.4076

Deuteranopia

50.9718, 0.4042, 0.3954



Tritanopia

51.1836, 0.3546, 0.3145

Trichromacy



Original Color

51.2169, 0.4027, 0.3968

Protanomaly

51.3175, 0.3867, 0.4033

Deuteranomaly

50.9718, 0.4042, 0.3954

Tritanomaly

51.1135, 0.3728, 0.3441

Monochromacy



Original Color

51.2169, 0.4027, 0.3968

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.5309, 0.3442, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2169, 0.4027, 0.3968 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(227, 182, 123)` looks like.

```
.text, #text, p{  
    color:rgb(227, 182, 123)  
}
```

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(227, 182, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 182, 123) }
```

Border

The CSS property to change the border of an element to Yxy 51.2169, 0.4027, 0.3968 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(227, 182, 123) }
```

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

```
.border{ border-color:rgb(227, 182, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 182, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 182, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 182, 123); box-shadow:4px 4px 4px 4px rgb(227, 182, 123) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2169, 0.4027, 0.3968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 182, 123) }
```

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

```
.background{ background-color: rgb(227,  
182, 123) }
```

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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