

Converting Colors

$Yxy(49.7888, 0.4357, 0.4407)$

Have a look what the booklet for
Yxy(49.7888, 0.4357, 0.4407)
contains.

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Color

Yxy(49.7523, 0.4356, 0.4402)

Conversions

Conversions Part 1

Format	Color
Hex	E2B54D
RGB	226, 181, 77
RGB Percent	89%, 71%, 30%
CMY	0.1137, 0.2902, 0.6979
CMYK	0.00, 0.20, 0.66, 0.11
HSL	42°, 72%, 59%
HSV	42°, 66%, 89%
XYZ	49.2324, 49.7523, 14.0373
YIQ	182.5990, 60.2040, -22.8040

Conversions

Conversions Part 2

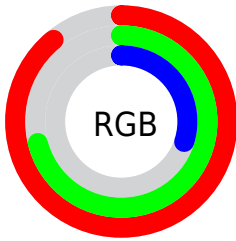
Format	Color
RYB	141, 226, 77
Decimal	14857549
CIELab	75.92, 5.36, 57.44
CIELCh	76, 57.692, 84.672
Yxy	49.7523, 0.4356, 0.4402
Android (android.graphics.Color)	4293047629 (0xFFE2B54D)
YUV	182.5990, -52.0603, 38.0627
Hunter-Lab	70.5353, 1.1530, 37.5753

Details

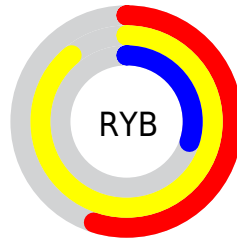
The Yxy color **49.7523, 0.4356, 0.4402** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **21.0060, 0.1988, 0.1757**, and the grayscale version is **47.3927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4401, 0.3930, 0.4341**, and **23.7043, 0.4621, 0.4605** is the 20% darker color. If you saturate the color by 10%, you get **46.7789, 0.4536, 0.4495**, and if you desaturate by 10%, it is **52.9776, 0.4160, 0.4271**.

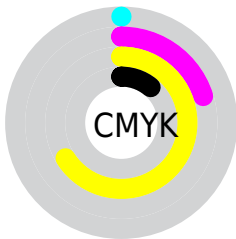
Distribution



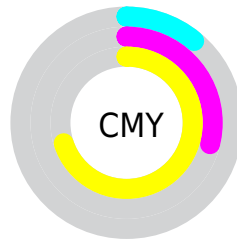
- Red (89%)
- Green (71%)
- Blue (30%)



- Red (55%)
- Yellow (89%)
- Blue (30%)



- Cyan (0%)
- Magenta (20%)
- Yellow (66%)
- Black (11%)





- Cyan (11%)
- Magenta (29%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7523, 0.4356, 0.4402 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 49.7523, 0.4356, 0.4402 by changing the saturation by 10% instead.


 49.7523, 0.4356,
0.4402

 49.7523, 0.4356,
0.4402


385.6965, 0.3784,
0.3901


 35.2166, 0.4476,
0.4501


 89.8078, 0.4164,
0.4238


 23.8298, 0.4613,
0.4610


 116.0963, 0.4087,
0.4171


 15.2074, 0.4767,
0.4726


 147.0713, 0.4019,
0.4111

 8.9651, 0.4965,
0.4865

 183.1172, 0.3960,
0.4059

 4.7184, 0.5092,
0.4908

 224.6182, 0.3908,
0.4013

 2.0830, 0.5159,
0.4841

271.9588, 0.3862,

 0.6550, 0.5349,

0.3971

0.4651

325.5235, 0.3821,
0.3934

0.0000, 0.0000,
0.0000

49.7523, 0.4356,
0.4402

49.7523, 0.4356,
0.4402

46.7789, 0.4536,
0.4495

52.9776, 0.4160,
0.4271

44.0362, 0.4692,
0.4540

56.4597, 0.3957,
0.4111

41.5097, 0.4815,
0.4534

60.2122, 0.3756,
0.3935

40.5281, 0.4860,
0.4523

64.2450, 0.3564,
0.3752

68.5676, 0.3384,
0.3569

■ 73.1887, 0.3218,
0.3391

■ 78.1167, 0.3068,
0.3222

■ 83.1739, 0.2949,
0.3092

■ 87.1744, 0.2950,
0.3163

Harmonies

Analogous

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



49.7523, 0.4678, 0.3862



49.7523, 0.4356, 0.4402



49.7523, 0.3725, 0.4731

Triad

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



49.7523, 0.4356, 0.4402



49.7523, 0.1890, 0.3044



49.7523, 0.3123, 0.2346

Complementary

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



49.7523, 0.4356, 0.4402



21.0060, 0.1988, 0.1757

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.



49.7523, 0.2413, 0.2127



49.7523, 0.4356, 0.4402



49.7523, 0.1778, 0.2436

Square

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



49.7523, 0.4356, 0.4402



49.7523, 0.2306, 0.3882



49.7523, 0.1955, 0.2143



49.7523, 0.3931, 0.2755

Rectangle

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



49.7523, 0.4356, 0.4402



49.7523, 0.3226, 0.4693



49.7523, 0.1955, 0.2143



49.7523, 0.2864, 0.2249

Sweetspot

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



49.7547, 0.4356, 0.4402



87.6977, 0.3458, 0.3646



22.9462, 0.4583, 0.2791



18.4282, 0.3509, 0.3698



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.



49.7547, 0.4356, 0.4402



60.1608, 0.4596, 0.4517



67.0393, 0.3817, 0.4919



15.2937, 0.3275, 0.3453



23.3356, 0.4847, 0.4533



1.7725, 0.4722, 0.4633

Inverse Universe

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



21.0060, 0.1988, 0.1757



20.1229, 0.1793, 0.1408



13.7704, 0.2024, 0.1259



13.9153, 0.2981, 0.3122



5.6944, 0.1614, 0.1008



0.5487, 0.1699, 0.1316

Previews

White Background



This preview shows how the Yxy color 49.7523, 0.4356, 0.4402 looks on a white background.

Color Contrast Check

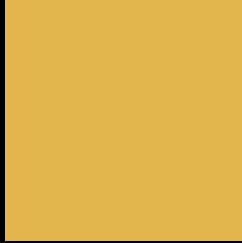
Large Text (above 18pt) WCAG AA × Fail

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 49.7523, 0.4356, 0.4402 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 49.7523, 0.4356, 0.4402

Background



This preview shows how black text looks on a background with the Yxy color 49.7523, 0.4356, 0.4402.



This preview shows how white text looks on a background with the Yxy color 49.7523, 0.4356, 0.4402.

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

49.7523, 0.4356, 0.4402

Protanopia

49.9408, 0.4128, 0.4540

Deuteranopia

49.7145, 0.4436, 0.4333



Tritanopia

49.6608, 0.3601, 0.3145

Trichromacy



Original Color

49.7523, 0.4356, 0.4402

Protanomaly

49.6951, 0.4220, 0.4486

Deuteranomaly

49.6133, 0.4402, 0.4356

Tritanomaly

49.2746, 0.3921, 0.3637

Monochromacy



Original Color

49.7523, 0.4356, 0.4402

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.6116, 0.3593, 0.3775

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7523, 0.4356, 0.4402 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(226, 181, 77)` looks like.

```
.text, #text, p{  
    color:rgb(226, 181, 77)  
}
```

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(226, 181, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 181, 77) }
```

Border

The CSS property to change the border of an element to Yxy 49.7523, 0.4356, 0.4402 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(226, 181, 77) }
```

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

```
.border{ border-color:rgb(226, 181, 77) }
```

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

Here you see how a box with a 4 pixel rgb(226, 181, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 181, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 181, 77);  
box-shadow:4px 4px 4px 4px rgb(226, 181,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7523, 0.4356, 0.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 181, 77) }
```

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

```
.background{ background-color: rgb(226,  
181, 77) }
```

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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