

Converting Colors

$Y_{xy}(47.3552, 0.4437, 0.4318)$

Have a look what the booklet for
Yxy(47.3552, 0.4437, 0.4318)
contains.

Yxy(47.4659, 0.4441, 0.4320)	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(47.4659, 0.4441, 0.4320)

Conversions

Conversions Part 1

Format	Color
Hex	E5AE4D
RGB	229, 174, 77
RGB Percent	90%, 68%, 30%
CMY	0.1019, 0.3177, 0.6980
CMYK	0.00, 0.24, 0.66, 0.10
HSL	38°, 75%, 60%
HSV	38°, 66%, 90%
XYZ	48.7954, 47.4659, 13.6135
YIQ	179.3870, 63.9170, -18.5070

Conversions

Conversions Part 2

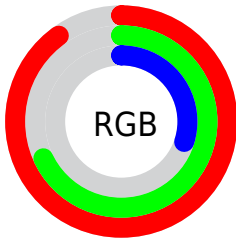
Format	Color
R_{YB}	163, 229, 77
Decimal	15052365
CIE _{Lab}	74.49, 10.33, 56.00
CIE _{LCh}	74, 56.949, 79.549
Yxy	47.4659, 0.4441, 0.4320
Android (android.graphics.Color)	4293242445 (0xFFE5AE4D)
YUV	179.3870, -50.4768, 43.5106
Hunter-Lab	68.8955, 5.8559, 36.5114

Details

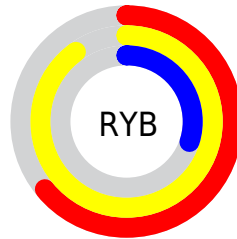
The Yxy color **47.4659, 0.4441, 0.4320** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **23.7523, 0.2011, 0.1876**, and the grayscale version is **45.5486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9103, 0.3968, 0.4273**, and **22.5230, 0.4730, 0.4499** is the 20% darker color. If you saturate the color by 10%, you get **44.0943, 0.4647, 0.4399**, and if you desaturate by 10%, it is **51.1538, 0.4222, 0.4201**.

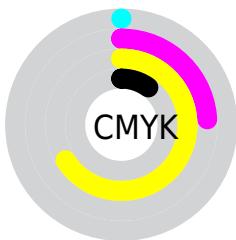
Distribution



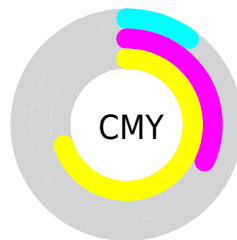
- Red (90%)
- Green (68%)
- Blue (30%)



- Red (64%)
- Yellow (90%)
- Blue (30%)



- Cyan (0%)
- Magenta (24%)
- Yellow (66%)
- Black (10%)





- Cyan (10%)
- Magenta (32%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.4659, 0.4441, 0.4320 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 47.4659, 0.4441, 0.4320 by changing the saturation by 10% instead.

 47.4659, 0.4441,
0.4320

 47.4659, 0.4441,
0.4320


376.6712, 0.3819,
0.3862

 33.4041, 0.4575,
0.4407


 86.4086, 0.4229,
0.4172

 22.4362, 0.4730,
0.4502


 112.0584, 0.4145,
0.4111


 14.1778, 0.4908,
0.4595


 142.3396, 0.4072,
0.4057

 8.2444, 0.5149,
0.4713

 177.6367, 0.4008,
0.4009

 4.2517, 0.5304,
0.4696

 218.3339, 0.3952,
0.3966

 1.8154, 0.5439,
0.4561

264.8159, 0.3903,

 0.4967, 0.5932,

0.3927

0.4068

317.4668, 0.3859,
0.3893

0.0000, 0.0000,
0.0000

47.4659, 0.4441,
0.4320

47.4659, 0.4441,
0.4320

44.0943, 0.4647,
0.4399

51.1538, 0.4222,
0.4201

41.0158, 0.4828,
0.4430

55.1652, 0.4000,
0.4055


38.2135, 0.4976,
0.4408

59.5153, 0.3785,
0.3892

37.2549, 0.5025,
0.4392

64.2159, 0.3582,
0.3723

69.2781, 0.3396,
0.3554

 74.7123, 0.3226,
0.3390

 80.5284, 0.3074,
0.3235

 86.3940, 0.2968,
0.3142

 91.3967, 0.2969,
0.3226

Harmonies

Analogous

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



47.4659, 0.4693, 0.3763



47.4659, 0.4441, 0.4320



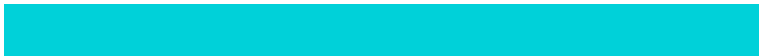
47.4659, 0.3848, 0.4705

Triad

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



47.4659, 0.4441, 0.4320



47.4659, 0.1936, 0.3176



47.4659, 0.2988, 0.2292

Complementary

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



47.4659, 0.4441, 0.4320



23.7523, 0.2011, 0.1876

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.



47.4659, 0.2314, 0.2110



47.4659, 0.4441, 0.4320



47.4659, 0.1773, 0.2515

Square

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



47.4659, 0.4441, 0.4320



47.4659, 0.2404, 0.4026



47.4659, 0.1902, 0.2169



47.4659, 0.3800, 0.2673

Rectangle

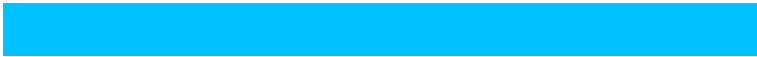
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.4659, 0.4441, 0.4320



47.4659, 0.3356, 0.4732



47.4659, 0.1902, 0.2169



47.4659, 0.2738, 0.2206

Sweetspot

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



47.4682, 0.4441, 0.4320



85.9200, 0.3464, 0.3616



23.6588, 0.4482, 0.2705



18.0000, 0.3517, 0.3664



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.



47.4682, 0.4441, 0.4320



54.6064, 0.4725, 0.4418



70.1092, 0.3879, 0.4892



15.8936, 0.3276, 0.3440



21.5314, 0.5008, 0.4405



1.7660, 0.4858, 0.4524

Inverse Universe

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



23.7523, 0.2011, 0.1876



22.5539, 0.1820, 0.1536



13.5255, 0.1962, 0.1220



14.7370, 0.2981, 0.3136



6.9718, 0.1656, 0.1159



0.6868, 0.1737, 0.1452

Previews

White Background



This preview shows how the Yxy color 47.4659, 0.4441, 0.4320 looks on a white background.

Color Contrast Check

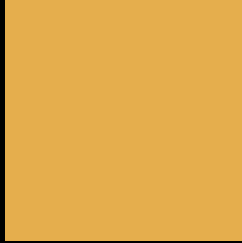
Large Text (above 18pt) WCAG AA × Fail

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 47.4659, 0.4441, 0.4320 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 47.4659, 0.4441, 0.4320

Background



This preview shows how black text looks on a background with the Yxy color 47.4659, 0.4441, 0.4320.



This preview shows how white text looks on a background with the Yxy color 47.4659, 0.4441, 0.4320.

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

47.4659, 0.4441, 0.4320

Protanopia

47.6975, 0.4115, 0.4513

Deuteranopia

47.6897, 0.4423, 0.4335



Tritanopia

47.5184, 0.3700, 0.3157

Trichromacy



Original Color

47.4659, 0.4441, 0.4320

Protanomaly

47.3532, 0.4234, 0.4439

Deuteranomaly

47.6897, 0.4423, 0.4335

Tritanomaly

47.2224, 0.4004, 0.3612

Monochromacy



Original Color

47.4659, 0.4441, 0.4320

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.2676, 0.3608, 0.3743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4659, 0.4441, 0.4320 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(229, 174, 77)` looks like.

```
.text, #text, p{  
    color:rgb(229, 174, 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(229, 174, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 174, 77) }
```

Border

The CSS property to change the border of an element to Yxy 47.4659, 0.4441, 0.4320 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(229, 174, 77) }
```

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

```
.border{ border-color:rgb(229, 174, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 174, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 174, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 174, 77);  
box-shadow:4px 4px 4px 4px rgb(229, 174,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4659, 0.4441, 0.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 174, 77) }
```

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

```
.background{ background-color: rgb(229,  
174, 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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