

Converting Colors

$Y_{xy}(41.5749, 0.4436, 0.4020)$

Have a look what the booklet for
Yxy(41.5749, 0.4436, 0.4020)
contains.

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Color

Yxy(41.5749, 0.4436, 0.4020)

Conversions

Conversions Part 1

Format	Color
Hex	E39E5D
RGB	227, 158, 93
RGB Percent	89%, 62%, 36%
CMY	0.1099, 0.3803, 0.6352
CMYK	0.00, 0.30, 0.59, 0.11
HSL	29°, 71%, 63%
HSV	29°, 59%, 89%
XYZ	45.8772, 41.5749, 15.9681
YIQ	171.2210, 61.9890, -5.5870

Conversions

Conversions Part 2

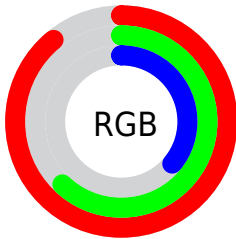
Format	Color
R _Y B	227, 219, 93
Decimal	14917213
CIE Lab	70.58, 19.04, 43.80
CIE LCh	71, 47.759, 66.508
Yxy	41.5749, 0.4436, 0.4020
Android (android.graphics.Color)	4293107293 (0xFFE39E5D)
YUV	171.2210, -38.5630, 48.9182
Hunter-Lab	64.4786, 14.1670, 30.4519

Details

The Yxy color **41.5749, 0.4436, 0.4020** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **33.7102, 0.2196, 0.2365**, and the grayscale version is **41.0179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8928, 0.3945, 0.3987**, and **18.8147, 0.4788, 0.4141** is the 20% darker color. If you saturate the color by 10%, you get **37.4332, 0.4720, 0.4098**, and if you desaturate by 10%, it is **46.2192, 0.4159, 0.3913**.

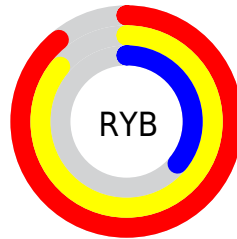
Distribution



Red (89%)

Green (62%)

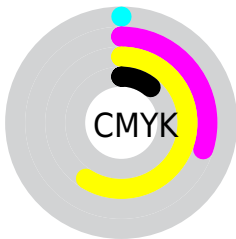
Blue (36%)



Red (89%)

Yellow (86%)

Blue (36%)

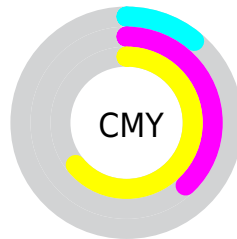


Cyan (0%)

Magenta (30%)

Yellow (59%)

Black (11%)



Cyan (11%)


Magenta (38%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5749, 0.4436, 0.4020 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 41.5749, 0.4436, 0.4020 by changing the saturation by 10% instead.


 41.5749, 0.4436,
0.4020

 41.5749, 0.4436,
0.4020


352.7177, 0.3782,
0.3694

 28.7686, 0.4591,
0.4082


 77.5558, 0.4203,
0.3914

 18.9058, 0.4782,
0.4149


 101.4993, 0.4113,
0.3871

 11.6022, 0.5018,
0.4214


 129.9238, 0.4037,
0.3832

 6.4735, 0.5322,
0.4267

 163.2139, 0.3972,
0.3798

 3.1351, 0.5723,
0.4277

201.7540, 0.3915,
0.3768

 1.2026, 0.6012,
0.3988

245.9284, 0.3865,

 0.0639, 0.8916,

0.3741

0.1084

296.1215, 0.3821,
0.3716

0.0000, 0.0000,
0.0000

41.5749, 0.4436,
0.4020

41.5749, 0.4436,
0.4020

37.4332, 0.4720,
0.4098

46.2192, 0.4159,
0.3913

33.7664, 0.4995,
0.4133

51.3796, 0.3900,
0.3789

30.5528, 0.5243,
0.4115

57.0765, 0.3666,
0.3658

27.7607, 0.5451,
0.4046

63.3271, 0.3456,
0.3526

27.5057, 0.5471,
0.4038

70.1478, 0.3273,
0.3399

■ 77.5542, 0.3112,
0.3279

■ 85.5610, 0.2973,
0.3167

■ 92.8547, 0.2957,
0.3254

■ 95.0675, 0.2958,
0.3290

Harmonies

Analogous

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



41.5749, 0.4469, 0.3505



41.5749, 0.4436, 0.4020



41.5749, 0.4034, 0.4434

Triad

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



41.5749, 0.4436, 0.4020



41.5749, 0.2223, 0.3517



41.5749, 0.2724, 0.2300

Complementary

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



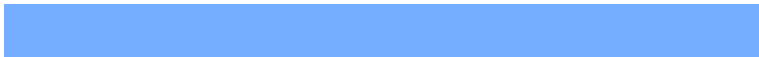
41.5749, 0.4436, 0.4020



33.7102, 0.2196, 0.2365

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.



41.5749, 0.2213, 0.2230



41.5749, 0.4436, 0.4020



41.5749, 0.1948, 0.2839

Square

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



41.5749, 0.4436, 0.4020



41.5749, 0.2750, 0.4208



41.5749, 0.1949, 0.2399



41.5749, 0.3411, 0.2573

Rectangle

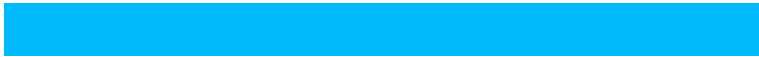
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.5749, 0.4436, 0.4020



41.5749, 0.3634, 0.4561



41.5749, 0.1949, 0.2399



41.5749, 0.2529, 0.2252

Sweetspot

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



41.5770, 0.4436, 0.4020



83.2270, 0.3439, 0.3514



26.7776, 0.3969, 0.2523



17.2834, 0.3497, 0.3552



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.



41.5770, 0.4436, 0.4020



47.5201, 0.4789, 0.4111



70.8316, 0.3976, 0.4654



15.5164, 0.3280, 0.3404



16.2763, 0.5447, 0.4057



1.3881, 0.5216, 0.4241

Inverse Universe

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



33.7102, 0.2196, 0.2365



36.3703, 0.2032, 0.2128



16.1043, 0.1988, 0.1423



15.1082, 0.2981, 0.3173



10.8711, 0.1787, 0.1632



0.9892, 0.1858, 0.1890

Previews

White Background



This preview shows how the Yxy color 41.5749, 0.4436, 0.4020 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 41.5749, 0.4436, 0.4020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

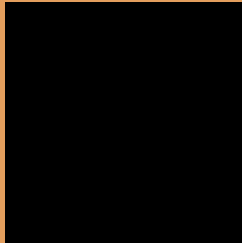
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.5749, 0.4436, 0.4020

Background



This preview shows how black text looks on a background with the Yxy color 41.5749, 0.4436, 0.4020.



This preview shows how white text looks on a background with the Yxy color 41.5749, 0.4436, 0.4020.

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

41.5749, 0.4436, 0.4020

Protanopia

41.7161, 0.3929, 0.4271

Deuteranopia

41.6626, 0.4256, 0.4172



Tritanopia

41.5417, 0.3857, 0.3166

Trichromacy



Original Color

41.5749, 0.4436, 0.4020

Protanomaly

41.5463, 0.4106, 0.4187

Deuteranomaly

41.3651, 0.4319, 0.4110

Tritanomaly

41.3830, 0.4087, 0.3490

Monochromacy



Original Color

41.5749, 0.4436, 0.4020

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.3320, 0.3576, 0.3599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5749, 0.4436, 0.4020 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, 158, 93)` looks like.

```
.text, #text, p{  
    color:rgb(227, 158, 93)  
}
```

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, 158, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 158, 93) }
```

Border

The CSS property to change the border of an element to Yxy 41.5749, 0.4436, 0.4020 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, 158, 93) }
```

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

```
.border{ border-color:rgb(227, 158, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 158, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 158, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 158, 93);  
box-shadow:4px 4px 4px 4px rgb(227, 158,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5749, 0.4436, 0.4020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 158, 93) }
```

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

```
.background{ background-color: rgb(227,  
158, 93) }
```

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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