

Converting Colors

$Y_{xy}(44.3051, 0.4646, 0.4231)$

Have a look what the booklet for
Yxy(44.3051, 0.4646, 0.4231)
contains.

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Color

Yxy(44.4694, 0.4644, 0.4232)

Conversions

Conversions Part 1

Format	Color
Hex	ECA346
RGB	236, 163, 70
RGB Percent	93%, 64%, 27%
CMY	0.0745, 0.3608, 0.7254
CMYK	0.00, 0.31, 0.70, 0.07
HSL	34°, 81%, 60%
HSV	34°, 70%, 93%
XYZ	48.7987, 44.4694, 11.8109
YIQ	174.2250, 73.3610, -13.4470

Conversions

Conversions Part 2

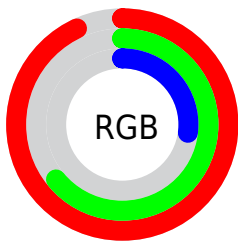
Format	Color
R _Y B	200, 236, 70
Decimal	15508294
CIE Lab	72.54, 18.73, 57.27
CIE LCh	73, 60.258, 71.895
Yxy	44.4694, 0.4644, 0.4232
Android (android.graphics.Color)	4293698374 (0xFFECA346)
YUV	174.2250, -51.3829, 54.1767
Hunter-Lab	66.6854, 13.9223, 36.1787

Details

The Yxy color **44.4694, 0.4644, 0.4232** 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 **27.0189, 0.1998, 0.1963**, and the grayscale version is **42.6933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8329, 0.4067, 0.4239**, and **20.6255, 0.4994, 0.4355** is the 20% darker color. If you saturate the color by 10%, you get **40.6930, 0.4879, 0.4276**, and if you desaturate by 10%, it is **48.6701, 0.4394, 0.4143**.

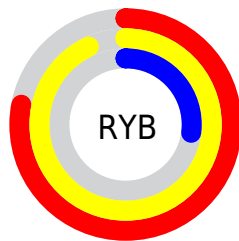
Distribution



Red (93%)

Green (64%)

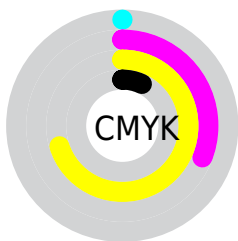
Blue (27%)



Red (78%)

Yellow (93%)

Blue (27%)

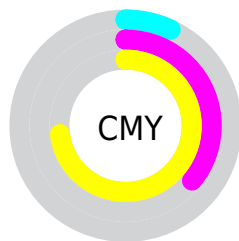


Cyan (0%)

Magenta (31%)

Yellow (70%)

Black (7%)



Cyan (7%)

Magenta (36%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4694, 0.4644, 0.4232 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 44.4694, 0.4644, 0.4232 by changing the saturation by 10% instead.


 44.4694, 0.4644,
0.4232


 44.4694, 0.4644,
0.4232


364.6203, 0.3916,
0.3833


 31.0397, 0.4802,
0.4299


 81.9236, 0.4395,
0.4110

 20.6291, 0.4987,
0.4363


 106.7169, 0.4296,
0.4057

 12.8531, 0.5199,
0.4413


 136.0669, 0.4210,
0.4009

 7.3275, 0.5514,
0.4486

 170.3579, 0.4136,
0.3967

 3.6677, 0.5670,
0.4330

 209.9743, 0.4071,
0.3928

 1.4895, 0.5925,
0.4075

255.3006, 0.4013,

 0.2813, 0.7203,

0.3893

0.2797

306.7212, 0.3962,
0.3862

0.0000, 0.0000,
0.0000

44.4694, 0.4644,
0.4232

44.4694, 0.4644,
0.4232

40.6930, 0.4879,
0.4276

48.6701, 0.4394,
0.4143

37.3122, 0.5085,
0.4268


53.3075, 0.4144,
0.4023


34.3896, 0.5251,
0.4212


58.4014, 0.3903,
0.3882

63.9679, 0.3679,
0.3733

70.0221, 0.3476,
0.3582

 76.5783, 0.3294,
0.3434

 83.6500, 0.3132,
0.3294

 91.0001, 0.3012,
0.3201

 96.5749, 0.3011,
0.3290

Harmonies

Analogous

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



44.4694, 0.4804, 0.3621



44.4694, 0.4644, 0.4232



44.4694, 0.4074, 0.4734

Triad

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



44.4694, 0.4644, 0.4232



44.4694, 0.1947, 0.3388



44.4694, 0.2766, 0.2154

Complementary

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



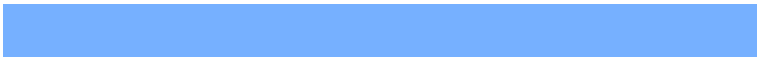
44.4694, 0.4644, 0.4232



27.0189, 0.1998, 0.1963

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.



44.4694, 0.2115, 0.2021



44.4694, 0.4644, 0.4232



44.4694, 0.1697, 0.2597

Square

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



44.4694, 0.4644, 0.4232



44.4694, 0.2517, 0.4312



44.4694, 0.1758, 0.2151



44.4694, 0.3627, 0.2508

Rectangle

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



44.4694, 0.4644, 0.4232



44.4694, 0.3567, 0.4874



44.4694, 0.1758, 0.2151



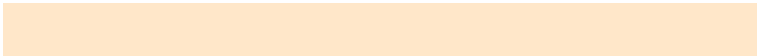
44.4694, 0.2518, 0.2083

Sweetspot

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



44.4716, 0.4644, 0.4232



82.8988, 0.3491, 0.3593



24.2552, 0.4395, 0.2546



17.3054, 0.3545, 0.3635



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.



44.4716, 0.4644, 0.4232



46.8298, 0.4966, 0.4280



76.8876, 0.4008, 0.4891



16.4537, 0.3279, 0.3422



19.2165, 0.5230, 0.4229



1.7001, 0.5047, 0.4375

Inverse Universe

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



27.0189, 0.1998, 0.1963



25.0223, 0.1834, 0.1661



12.0751, 0.1811, 0.1067



15.6393, 0.2980, 0.3154



9.0234, 0.1718, 0.1386



0.8973, 0.1793, 0.1653

Previews

White Background



This preview shows how the Yxy color 44.4694, 0.4644, 0.4232 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 44.4694, 0.4644, 0.4232 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 44.4694, 0.4644, 0.4232

Background



This preview shows how black text looks on a background with the Yxy color 44.4694, 0.4644, 0.4232.



This preview shows how white text looks on a background with the Yxy color 44.4694, 0.4644, 0.4232.

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

44.4694, 0.4644, 0.4232

Protanopia

44.7540, 0.4126, 0.4540

Deuteranopia

44.3229, 0.4477, 0.4375



Tritanopia

44.3763, 0.3902, 0.3160

Trichromacy



Original Color

44.4694, 0.4644, 0.4232

Protanomaly

44.3652, 0.4319, 0.4426

Deuteranomaly

44.3980, 0.4534, 0.4322

Tritanomaly

44.2509, 0.4223, 0.3592

Monochromacy



Original Color

44.4694, 0.4644, 0.4232

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.3973, 0.3686, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4694, 0.4644, 0.4232 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, 163, 70)` looks like.

```
.text, #text, p{  
    color:rgb(236, 163, 70)  
}
```

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, 163, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 163, 70) }
```

Border

The CSS property to change the border of an element to Yxy 44.4694, 0.4644, 0.4232 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, 163, 70) }
```

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

```
.border{ border-color:rgb(236, 163, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 163, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 163, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 163, 70);  
box-shadow:4px 4px 4px 4px rgb(236, 163,  
70) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 44.4694, 0.4644, 0.4232$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 163, 70) }
```

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

```
.background{ background-color: rgb(236,  
163, 70) }
```

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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