

Converting Colors

$Y_{xy}(44.8734, 0.4616, 0.4395)$

Have a look what the booklet for
Yxy(44.8734, 0.4616, 0.4395)
contains.

Yxy(44.9587, 0.4609, 0.4404)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.9587, 0.4609, 0.4404)

Conversions

Conversions Part 1

Format	Color
Hex	E5A839
RGB	229, 168, 57
RGB Percent	90%, 66%, 22%
CMY	0.1020, 0.3411, 0.7762
CMYK	0.00, 0.27, 0.75, 0.10
HSL	39°, 77%, 56%
HSV	39°, 75%, 90%
XYZ	47.0515, 44.9587, 10.0759
YIQ	173.5850, 71.9870, -21.5890

Conversions

Conversions Part 2

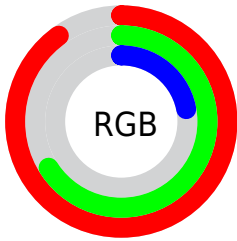
Format	Color
RYB	152, 229, 57
Decimal	15050809
CIELab	72.86, 12.49, 62.75
CIELCh	73, 63.984, 78.739
Yxy	44.9587, 0.4609, 0.4404
Android (android.graphics.Color)	4293240889 (0xFFE5A839)
YUV	173.5850, -57.4764, 48.5990
Hunter-Lab	67.0512, 7.9180, 38.0263

Details

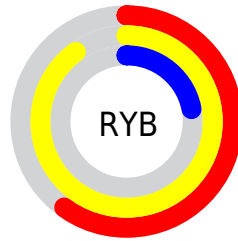
The Yxy color **44.9587, 0.4609, 0.4404** is a light color, and the websafe version is hex **CC9933**. The color can be described as light washed orange. A complement of this color would be **19.4912, 0.1883, 0.1645**, and the grayscale version is **42.3799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1830, 0.4110, 0.4383**, and **20.9258, 0.4874, 0.4512** is the 20% darker color. If you saturate the color by 10%, you get **41.8757, 0.4790, 0.4443**, and if you desaturate by 10%, it is **48.3365, 0.4404, 0.4318**.

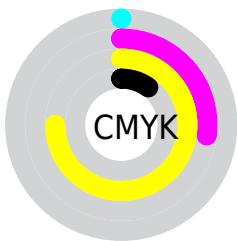
Distribution



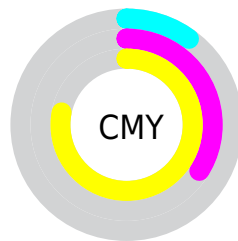
- Red (90%)
- Green (66%)
- Blue (22%)



- Red (60%)
- Yellow (90%)
- Blue (22%)



- Cyan (0%)
- Magenta (27%)
- Yellow (75%)
- Black (10%)




- Cyan (10%)
- Magenta (34%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9587, 0.4609, 0.4404 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 44.9587, 0.4609, 0.4404 by changing the saturation by 10% instead.


 44.9587, 0.4609,
0.4404

 44.9587, 0.4609,
0.4404


366.6063, 0.3915,
0.3925


 31.4249, 0.4751,
0.4486


 82.6584, 0.4377,
0.4256

 20.9226, 0.4912,
0.4567


 107.5932, 0.4283,
0.4192

 13.0674, 0.5089,
0.4635

 137.0970, 0.4201,
0.4135

 7.4750, 0.5305,
0.4695


 171.5543, 0.4130,
0.4084

 3.7609, 0.5412,
0.4588

 211.3495, 0.4066,
0.4038

 1.5407, 0.5588,
0.4412

256.8669, 0.4010,

 0.3171, 0.6566,

0.3996

0.3434

308.4911, 0.3960,
0.3959

0.0000, 0.0000,
0.0000

44.9587, 0.4609,
0.4404

44.9587, 0.4609,
0.4404

41.8757, 0.4790,
0.4443

48.3365, 0.4404,
0.4318

39.0622, 0.4939,
0.4429

52.0178, 0.4187,
0.4193

37.7654, 0.5004,
0.4409

56.0188, 0.3968,
0.4042

60.3519, 0.3756,
0.3877

65.0286, 0.3556,
0.3705

 70.0597, 0.3372,
0.3535

 75.4554, 0.3205,
0.3370

 81.2254, 0.3056,
0.3215

 86.8432, 0.2968,
0.3149

Harmonies

Analogous

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



44.9587, 0.4904, 0.3771



44.9587, 0.4609, 0.4404



44.9587, 0.3937, 0.4887

Triad

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



44.9587, 0.4609, 0.4404



44.9587, 0.1797, 0.3169



44.9587, 0.2937, 0.2167

Complementary

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



44.9587, 0.4609, 0.4404



19.4912, 0.1883, 0.1645

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.



44.9587, 0.2193, 0.1972



44.9587, 0.4609, 0.4404



44.9587, 0.1618, 0.2416

Square

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



44.9587, 0.4609, 0.4404



44.9587, 0.2316, 0.4168



44.9587, 0.1753, 0.2037



44.9587, 0.3866, 0.2580

Rectangle

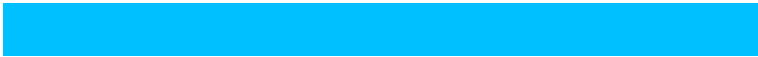
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.9587, 0.4609, 0.4404



44.9587, 0.3385, 0.4960



44.9587, 0.1753, 0.2037



44.9587, 0.2658, 0.2076

Sweetspot

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



44.9609, 0.4609, 0.4404



84.2215, 0.3519, 0.3672



20.9455, 0.4765, 0.2685



17.5446, 0.3589, 0.3734



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.



44.9609, 0.4609, 0.4404



51.4545, 0.4876, 0.4442



69.4555, 0.3926, 0.5029



15.9120, 0.3276, 0.3441



21.8309, 0.4988, 0.4421



1.7867, 0.4842, 0.4537

Inverse Universe

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



19.4912, 0.1883, 0.1645



17.9253, 0.1712, 0.1295



10.2927, 0.1813, 0.0987



14.7193, 0.2981, 0.3134



6.8231, 0.1650, 0.1139



0.6744, 0.1731, 0.1432

Previews

White Background



This preview shows how the Yxy color 44.9587, 0.4609, 0.4404 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 44.9587, 0.4609, 0.4404 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 44.9587, 0.4609, 0.4404

Background



This preview shows how black text looks on a background with the Yxy color 44.9587, 0.4609, 0.4404.



This preview shows how white text looks on a background with the Yxy color 44.9587, 0.4609, 0.4404.

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

44.9587, 0.4609, 0.4404

Protanopia

44.8458, 0.4228, 0.4653

Deuteranopia

44.8823, 0.4551, 0.4457



Tritanopia

44.8114, 0.3790, 0.3156

Trichromacy



Original Color

44.9587, 0.4609, 0.4404

Protanomaly

44.8246, 0.4371, 0.4558

Deuteranomaly

44.8302, 0.4578, 0.4436

Tritanomaly

44.3719, 0.4154, 0.3668

Monochromacy



Original Color

44.9587, 0.4609, 0.4404

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.6131, 0.3694, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9587, 0.4609, 0.4404 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, 168, 57)` looks like.

```
.text, #text, p{  
    color:rgb(229, 168, 57)  
}
```

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, 168, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 168, 57) }
```

Border

The CSS property to change the border of an element to Yxy 44.9587, 0.4609, 0.4404 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, 168, 57) }
```

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

```
.border{ border-color:rgb(229, 168, 57) }
```

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

Here you see how a box with a 4 pixel rgb(229, 168, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 168, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 168, 57);  
box-shadow:4px 4px 4px 4px rgb(229, 168,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9587, 0.4609, 0.4404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 168, 57) }
```

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

```
.background{ background-color: rgb(229,  
168, 57) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor