

Converting Colors

$Y_{xy}(44.6890, 0.4559, 0.4429)$

Have a look what the booklet for
Yxy(44.6890, 0.4559, 0.4429)
contains.

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Color

Yxy(44.6890, 0.4559, 0.4429)

Conversions

Conversions Part 1

Format	Color
Hex	E1A93A
RGB	225, 169, 58
RGB Percent	88%, 66%, 23%
CMY	0.1177, 0.3372, 0.7723
CMYK	0.00, 0.25, 0.74, 0.12
HSL	40°, 74%, 55%
HSV	40°, 74%, 88%
XYZ	46.0007, 44.6890, 10.2112
YIQ	173.0900, 69.0070, -22.6490

Conversions

Conversions Part 2

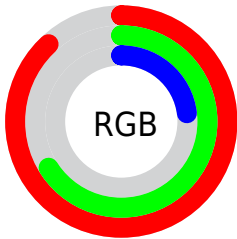
Format	Color
RYB	142, 225, 58
Decimal	14788922
CIELab	72.69, 10.30, 62.04
CIELCh	73, 62.890, 80.578
Yxy	44.6890, 0.4559, 0.4429
Android (android.graphics.Color)	4292979002 (0xFFE1A93A)
YUV	173.0900, -56.7394, 45.5251
Hunter-Lab	66.8498, 5.8422, 37.7385

Details

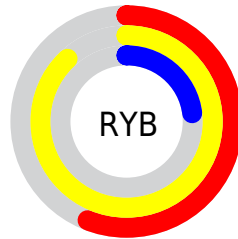
The Yxy color **44.6890, 0.4559, 0.4429** is a light color, and the websafe version is hex **CC9933**. The color can be described as light washed orange. A complement of this color would be **18.3777, 0.1884, 0.1621**, and the grayscale version is **42.1099, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7412, 0.4099, 0.4384**, and **20.7219, 0.4814, 0.4560** is the 20% darker color. If you saturate the color by 10%, you get **41.7831, 0.4734, 0.4477**, and if you desaturate by 10%, it is **47.8613, 0.4361, 0.4335**.

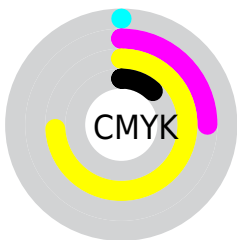
Distribution



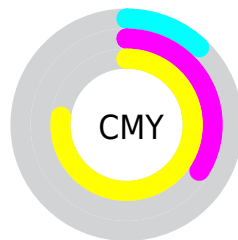
- Red (88%)
- Green (66%)
- Blue (23%)



- Red (56%)
- Yellow (88%)
- Blue (23%)



- Cyan (0%)
- Magenta (25%)
- Yellow (74%)
- Black (12%)




- Cyan (12%)
- Magenta (34%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6890, 0.4559, 0.4429 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 44.6890, 0.4559, 0.4429 by changing the saturation by 10% instead.

 44.6890, 0.4559,
0.4429


 44.6890, 0.4559,
0.4429


365.5125, 0.3888,
0.3931

 31.2125, 0.4697,
0.4517


 82.2535, 0.4335,
0.4273

 20.7607, 0.4852,
0.4607


 107.1104, 0.4244,
0.4206


 12.9492, 0.5021,
0.4687


 136.5295, 0.4165,
0.4147

 7.3936, 0.5232,
0.4768

 170.8952, 0.4096,
0.4094

 3.7094, 0.5322,
0.4678

 210.5920, 0.4035,
0.4047

 1.5124, 0.5471,
0.4529

256.0042, 0.3980,

 0.2974, 0.6423,

0.4004

0.3577

307.5163, 0.3932,
0.3966

0.0000, 0.0000,
0.0000

44.6890, 0.4559,
0.4429

44.6890, 0.4559,
0.4429

41.7831, 0.4734,
0.4477

47.8613, 0.4361,
0.4335

39.1201, 0.4878,
0.4473

51.3076, 0.4151,
0.4204

37.6727, 0.4949,
0.4452

55.0426, 0.3938,
0.4048

59.0778, 0.3732,
0.3877

63.4236, 0.3536,
0.3701

■ 68.0900, 0.3356,
0.3526

■ 73.0860, 0.3191,
0.3358

■ 78.4205, 0.3043,
0.3199

■ 83.7398, 0.2942,
0.3105

Harmonies

Analogous

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



44.6890, 0.4876, 0.3808



44.6890, 0.4559, 0.4429



44.6890, 0.3881, 0.4882

Triad

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



44.6890, 0.4559, 0.4429



44.6890, 0.1794, 0.3117



44.6890, 0.2994, 0.2200

Complementary

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



44.6890, 0.4559, 0.4429



18.3777, 0.1884, 0.1621

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.



44.6890, 0.2242, 0.1993



44.6890, 0.4559, 0.4429



44.6890, 0.1635, 0.2396

Square

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



44.6890, 0.4559, 0.4429



44.6890, 0.2288, 0.4095



44.6890, 0.1787, 0.2041



44.6890, 0.3911, 0.2620

Rectangle

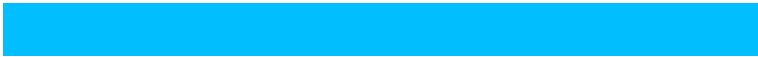
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.6890, 0.4559, 0.4429



44.6890, 0.3333, 0.4924



44.6890, 0.1787, 0.2041



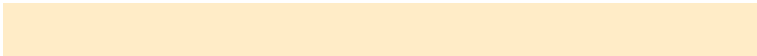
44.6890, 0.2714, 0.2105

Sweetspot

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



44.6912, 0.4559, 0.4429



85.4787, 0.3498, 0.3665



20.3089, 0.4781, 0.2717



17.9446, 0.3549, 0.3713



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.



44.6912, 0.4559, 0.4429



53.5445, 0.4816, 0.4481



66.4200, 0.3900, 0.5031



15.2148, 0.3275, 0.3445



21.9356, 0.4935, 0.4464



1.6834, 0.4792, 0.4577

Inverse Universe

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



18.3777, 0.1884, 0.1621



17.3983, 0.1707, 0.1264



10.3104, 0.1845, 0.1019



13.9906, 0.2981, 0.3130



6.2604, 0.1636, 0.1090



0.5950, 0.1723, 0.1401

Previews

White Background



This preview shows how the Yxy color 44.6890, 0.4559, 0.4429 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 44.6890, 0.4559, 0.4429 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 44.6890, 0.4559, 0.4429

Background



This preview shows how black text looks on a background with the Yxy color 44.6890, 0.4559, 0.4429.



This preview shows how white text looks on a background with the Yxy color 44.6890, 0.4559, 0.4429.

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

44.6890, 0.4559, 0.4429

Protanopia

44.8565, 0.4223, 0.4645

Deuteranopia

44.9022, 0.4541, 0.4444



Tritanopia

44.5118, 0.3739, 0.3154

Trichromacy



Original Color

44.6890, 0.4559, 0.4429

Protanomaly

44.5415, 0.4348, 0.4563

Deuteranomaly

44.9022, 0.4541, 0.4444

Tritanomaly

44.0837, 0.4101, 0.3675

Monochromacy



Original Color

44.6890, 0.4559, 0.4429

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

42.3502, 0.3675, 0.3834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6890, 0.4559, 0.4429 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(225, 169, 58)` looks like.

```
.text, #text, p{  
    color:rgb(225, 169, 58)  
}
```

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(225, 169, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 169, 58) }
```

Border

The CSS property to change the border of an element to Yxy 44.6890, 0.4559, 0.4429 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(225, 169, 58) }
```

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

```
.border{ border-color:rgb(225, 169, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 169, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 169, 58); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 169, 58); box-shadow:4px 4px 4px 4px rgb(225, 169, 58) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6890, 0.4559, 0.4429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 169, 58) }
```

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

```
.background{ background-color: rgb(225,  
169, 58) }
```

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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