

Converting Colors

$Y_{xy}(44.8694, 0.4603, 0.4504)$

Have a look what the booklet for
Yxy(44.8694, 0.4603, 0.4504)
contains.

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Color

Yxy(44.9622, 0.4601, 0.4503)

Conversions

Conversions Part 1

Format	Color
Hex	E1AA2F
RGB	225, 170, 47
RGB Percent	88%, 67%, 18%
CMY	0.1176, 0.3333, 0.8157
CMYK	0.00, 0.24, 0.79, 0.12
HSL	41°, 75%, 53%
HSV	41°, 79%, 88%
XYZ	45.9407, 44.9622, 8.9465
YIQ	172.4230, 72.2630, -26.5930

Conversions

Conversions Part 2

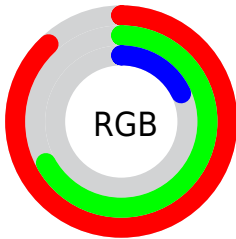
Format	Color
R _Y B	127, 225, 47
Decimal	14789167
CIE Lab	72.87, 9.35, 66.27
CIE LCh	73, 66.927, 81.972
Yxy	44.9622, 0.4601, 0.4503
Android (android.graphics.Color)	4292979247 (0xFFE1AA2F)
YUV	172.4230, -61.8335, 46.1100
Hunter-Lab	67.0539, 4.9518, 39.0271

Details

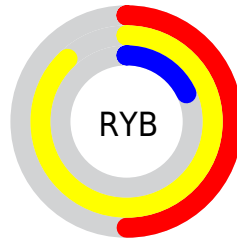
The Yxy color **44.9622, 0.4601, 0.4503** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **15.5452, 0.1803, 0.1436**, and the grayscale version is **41.7746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0897, 0.4142, 0.4463**, and **20.9562, 0.4799, 0.4572** is the 20% darker color. If you saturate the color by 10%, you get **42.2889, 0.4749, 0.4531**, and if you desaturate by 10%, it is **47.8714, 0.4425, 0.4426**.

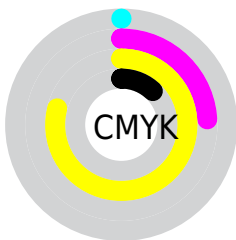
Distribution



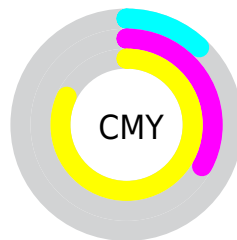
- Red (88%)
- Green (67%)
- Blue (18%)



- Red (50%)
- Yellow (88%)
- Blue (18%)



- Cyan (0%)
- Magenta (24%)
- Yellow (79%)
- Black (12%)




- Cyan (12%)
- Magenta (33%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9622, 0.4601, 0.4503 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 44.9622, 0.4601, 0.4503 by changing the saturation by 10% instead.

 44.9622, 0.4601,
0.4503

 44.9622, 0.4601,
0.4503


366.6204, 0.3922,
0.3980


 31.4277, 0.4735,
0.4592


 82.6637, 0.4378,
0.4342

 20.9247, 0.4881,
0.4679


 107.5994, 0.4287,
0.4272

 13.0690, 0.5044,
0.4761


 137.1043, 0.4207,
0.4210

 7.4761, 0.5199,
0.4801

 171.5628, 0.4136,
0.4154

 3.7616, 0.5280,
0.4720

 211.3593, 0.4073,
0.4103

 1.5411, 0.5415,
0.4585

 256.8781, 0.4017,

 0.3174, 0.6254,

0.4058

0.3746

308.5037, 0.3967,
0.4017

0.0000, 0.0000,
0.0000

44.9622, 0.4601,
0.4503

44.9622, 0.4601,
0.4503

42.2889, 0.4749,
0.4531

47.8714, 0.4425,
0.4426

39.8226, 0.4868,
0.4511

51.0244, 0.4230,
0.4307

39.6109, 0.4878,
0.4509

54.4362, 0.4026,
0.4157

58.1181, 0.3822,
0.3986

62.0806, 0.3625,
0.3806

■ 66.3332, 0.3440,
0.3624

■ 70.8849, 0.3269,
0.3446

■ 75.7441, 0.3114,
0.3275

■ 80.9190, 0.2974,
0.3115

Harmonies

Analogous

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



44.9622, 0.4970, 0.3848



44.9622, 0.4601, 0.4503



44.9622, 0.3870, 0.4987

Triad

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



44.9622, 0.4601, 0.4503



44.9622, 0.1708, 0.3054



44.9622, 0.3026, 0.2162

Complementary

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



44.9622, 0.4601, 0.4503



15.5452, 0.1803, 0.1436

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.



44.9622, 0.2223, 0.1934



44.9622, 0.4601, 0.4503



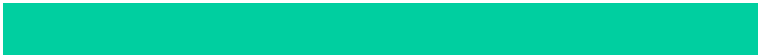
44.9622, 0.1564, 0.2315

Square

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



44.9622, 0.4601, 0.4503



44.9622, 0.2204, 0.4100



44.9622, 0.1736, 0.1967



44.9622, 0.4001, 0.2608

Rectangle

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



44.9622, 0.4601, 0.4503



44.9622, 0.3290, 0.5025



44.9622, 0.1736, 0.1967



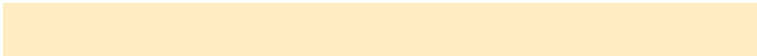
44.9622, 0.2727, 0.2060

Sweetspot

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



44.9644, 0.4601, 0.4503



85.1883, 0.3532, 0.3716



19.0287, 0.5053, 0.2784



17.8057, 0.3599, 0.3781



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.



44.9644, 0.4601, 0.4503



53.9892, 0.4829, 0.4522



65.3142, 0.3871, 0.5131



15.2775, 0.3275, 0.3451



23.0407, 0.4865, 0.4519



1.7539, 0.4736, 0.4621

Inverse Universe

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



15.5452, 0.1803, 0.1436



14.2186, 0.1640, 0.1076



9.1597, 0.1805, 0.0924



13.9307, 0.2981, 0.3123



5.8054, 0.1618, 0.1025



0.5580, 0.1704, 0.1333

Previews

White Background



This preview shows how the Yxy color 44.9622, 0.4601, 0.4503 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 44.9622, 0.4601, 0.4503 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 44.9622, 0.4601, 0.4503

Background



This preview shows how black text looks on a background with the Yxy color 44.9622, 0.4601, 0.4503.



This preview shows how white text looks on a background with the Yxy color 44.9622, 0.4601, 0.4503.

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

44.9622, 0.4601, 0.4503

Protanopia

45.2818, 0.4279, 0.4730

Deuteranopia

44.9622, 0.4601, 0.4503



Tritanopia

45.0602, 0.3736, 0.3155

Trichromacy



Original Color

44.9622, 0.4601, 0.4503

Protanomaly

44.9657, 0.4403, 0.4644

Deuteranomaly

44.9622, 0.4601, 0.4503

Tritanomaly

44.5237, 0.4134, 0.3718

Monochromacy



Original Color

44.9622, 0.4601, 0.4503

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.7345, 0.3705, 0.3877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9622, 0.4601, 0.4503 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, 170, 47)` looks like.

```
.text, #text, p{  
    color:rgb(225, 170, 47)  
}
```

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, 170, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 170, 47) }
```

Border

The CSS property to change the border of an element to Yxy 44.9622, 0.4601, 0.4503 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, 170, 47) }
```

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

```
.border{ border-color:rgb(225, 170, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 170, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 170, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 170, 47);  
box-shadow:4px 4px 4px 4px rgb(225, 170,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9622, 0.4601, 0.4503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 170, 47) }
```

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

```
.background{ background-color: rgb(225,  
170, 47) }
```

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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