

Converting Colors

$Y_{xy}(25.7052, 0.4620, 0.4541)$

Have a look what the booklet for
Yxy(25.7052, 0.4620, 0.4541)
contains.

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Color

Yxy(25.7052, 0.4620, 0.4541)

Conversions

Conversions Part 1

Format	Color
Hex	AF841D
RGB	175, 132, 29
RGB Percent	69%, 52%, 11%
CMY	0.3137, 0.4823, 0.8860
CMYK	0.00, 0.25, 0.83, 0.31
HSL	42°, 72%, 40%
HSV	42°, 83%, 69%
XYZ	26.1524, 25.7052, 4.7493
YIQ	133.1150, 58.6910, -22.9170

Conversions

Conversions Part 2

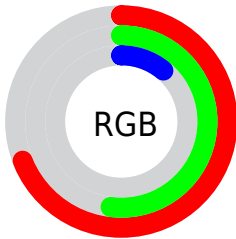
Format	Color
RYB	90, 175, 29
Decimal	11502621
CIELab	57.76, 7.29, 56.76
CIELCh	58, 57.230, 82.678
Yxy	25.7052, 0.4620, 0.4541
Android (android.graphics.Color)	4289692701 (0xFFAF841D)
YUV	133.1150, -51.3287, 36.7331
Hunter-Lab	50.7003, 3.3489, 29.9363

Details

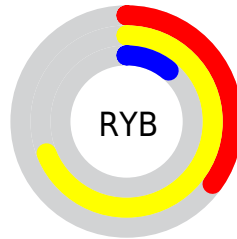
The Yxy color **25.7052, 0.4620, 0.4541** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **7.9988, 0.1758, 0.1331**, and the grayscale version is **23.6772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.8304, 0.4352, 0.4348**, and **10.0381, 0.4806, 0.4566** is the 20% darker color. If you saturate the color by 10%, you get **24.2790, 0.4751, 0.4557**, and if you desaturate by 10%, it is **27.2522, 0.4460, 0.4477**.

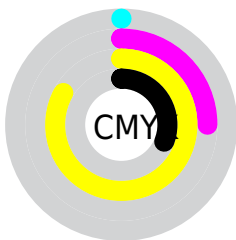
Distribution



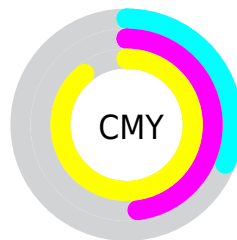
- Red (69%)
- Green (52%)
- Blue (11%)



- Red (35%)
- Yellow (69%)
- Blue (11%)



- Cyan (0%)
- Magenta (25%)
- Yellow (83%)
- Black (31%)





- Cyan (31%)
- Magenta (48%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7052, 0.4620, 0.4541 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 25.7052, 0.4620, 0.4541 by changing the saturation by 10% instead.


 25.7052, 0.4620,
0.4541


 25.7052, 0.4620,
0.4541


281.3319, 0.3866,
0.3944


 16.6032, 0.4779,
0.4648


 52.7990, 0.4360,
0.4347

 9.9520, 0.4963,
0.4758


 71.5596, 0.4256,
0.4266


 5.3672, 0.5158,
0.4842

 94.3085, 0.4167,
0.4194

 2.4643, 0.5240,
0.4760

 121.4302, 0.4090,
0.4131

 0.8587, 0.5389,
0.4611

 153.3089, 0.4023,
0.4076

 0.0000, 0.0000,
0.0000

 190.3292, 0.3964,

0.4027

232.8754, 0.3912,
0.3983

25.7052, 0.4620,
0.4541

25.7052, 0.4620,
0.4541

24.2790, 0.4751,
0.4557

27.2522, 0.4460,
0.4477

23.3898, 0.4827,
0.4549

28.9245, 0.4279,
0.4369

30.7303, 0.4085,
0.4228

32.6759, 0.3888,
0.4063

34.7669, 0.3694,
0.3885

■ 37.0085, 0.3509,
0.3703

■ 39.4056, 0.3336,
0.3522

■ 41.9626, 0.3178,
0.3347

■ 44.6840, 0.3034,
0.3182

Harmonies

Analogous

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



25.7052, 0.5017, 0.3868



25.7052, 0.4620, 0.4541



25.7052, 0.3861, 0.5041

Triad

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



25.7052, 0.4620, 0.4541



25.7052, 0.1665, 0.3020



25.7052, 0.3044, 0.2143

Complementary

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



25.7052, 0.4620, 0.4541



7.9988, 0.1758, 0.1331

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.



25.7052, 0.2215, 0.1905



25.7052, 0.4620, 0.4541



25.7052, 0.1528, 0.2274

Square

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



25.7052, 0.4620, 0.4541



25.7052, 0.2160, 0.4100



25.7052, 0.1711, 0.1930



25.7052, 0.4049, 0.2602

Rectangle

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



25.7052, 0.4620, 0.4541



25.7052, 0.3266, 0.5078



25.7052, 0.1711, 0.1930



25.7052, 0.2735, 0.2037

Sweetspot

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



25.7065, 0.4620, 0.4541



65.4426, 0.3546, 0.3740



10.4743, 0.5211, 0.2826



14.2355, 0.3609, 0.3803



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.7065, 0.4620, 0.4541



41.4961, 0.4840, 0.4539



36.8414, 0.3853, 0.5185



8.9256, 0.3270, 0.3449



16.8613, 0.4818, 0.4557



0.5578, 0.4590, 0.4738

Inverse Universe

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



7.9988, 0.1758, 0.1331



9.5408, 0.1601, 0.0963



4.8838, 0.1781, 0.0875



8.1274, 0.2986, 0.3125



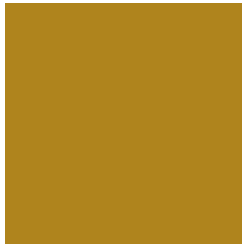
4.0420, 0.1614, 0.1011



0.2084, 0.1789, 0.1638

Previews

White Background



This preview shows how the Yxy color 25.7052, 0.4620, 0.4541 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7052, 0.4620, 0.4541 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 × Fail

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

Yxy 25.7052, 0.4620, 0.4541

Background



This preview shows how black text looks on a background with the Yxy color 25.7052, 0.4620, 0.4541.



This preview shows how white text looks on a background with the Yxy color 25.7052, 0.4620, 0.4541.

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

25.7052, 0.4620, 0.4541

Protanopia

25.6321, 0.4307, 0.4760

Deuteranopia

25.7052, 0.4620, 0.4541



Tritanopia

25.6556, 0.3735, 0.3162

Trichromacy



Original Color

25.7052, 0.4620, 0.4541

Protanomaly

25.4886, 0.4429, 0.4676

Deuteranomaly

25.7052, 0.4620, 0.4541

Tritanomaly

25.3316, 0.4154, 0.3743

Monochromacy



Original Color

25.7052, 0.4620, 0.4541

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.8972, 0.3727, 0.3930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7052, 0.4620, 0.4541 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(175, 132, 29)` looks like.

```
.text, #text, p{  
    color:rgb(175, 132, 29)  
}
```

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(175, 132, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 132, 29) }
```

Border

The CSS property to change the border of an element to Yxy 25.7052, 0.4620, 0.4541 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(175, 132, 29) }
```

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

```
.border{ border-color:rgb(175, 132, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 132, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 132, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 132, 29);  
box-shadow:4px 4px 4px 4px rgb(175, 132,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7052, 0.4620, 0.4541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 132, 29) }
```

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

```
.background{ background-color: rgb(175,  
132, 29) }
```

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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