

Converting Colors

$Y_{xy}(22.5544, 0.4587, 0.4278)$

Have a look what the booklet for
Yxy(22.5544, 0.4587, 0.4278)
contains.

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Color

Yxy(22.5544, 0.4587, 0.4278)

Conversions

Conversions Part 1

Format	Color
Hex	AB7931
RGB	171, 121, 49
RGB Percent	67%, 47%, 19%
CMY	0.3295, 0.5254, 0.8079
CMYK	0.00, 0.29, 0.71, 0.33
HSL	35°, 55%, 43%
HSV	35°, 71%, 67%
XYZ	24.1835, 22.5544, 5.9839
YIQ	127.7420, 52.9120, -11.7920

Conversions

Conversions Part 2

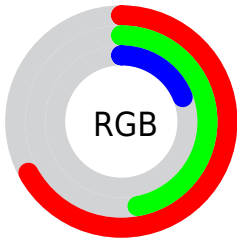
Format	Color
R _Y B	134, 171, 49
Decimal	11237681
CIE Lab	54.61, 12.48, 45.70
CIE LCh	55, 47.375, 74.729
Yxy	22.5544, 0.4587, 0.4278
Android (android.graphics.Color)	4289427761 (0xFFAB7931)
YUV	127.7420, -38.8198, 37.9373
Hunter-Lab	47.4915, 7.7853, 25.7735

Details

The Yxy color **22.5544, 0.4587, 0.4278** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **12.5098, 0.1986, 0.1900**, and the grayscale version is **21.6159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6110, 0.4303, 0.4111**, and **8.3425, 0.4963, 0.4441** is the 20% darker color. If you saturate the color by 10%, you get **20.7963, 0.4804, 0.4331**, and if you desaturate by 10%, it is **24.4932, 0.4355, 0.4184**.

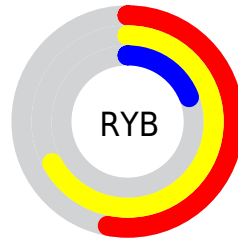
Distribution



Red (67%)

Green (47%)

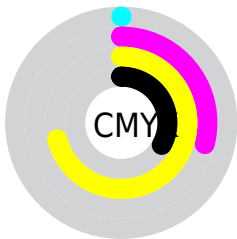
Blue (19%)



Red (53%)

Yellow (67%)

Blue (19%)

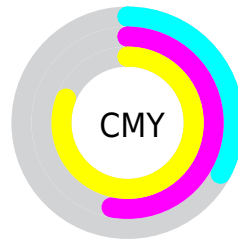


Cyan (0%)

Magenta (29%)

Yellow (71%)

Black (33%)



Cyan (33%)


Magenta (53%)

Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5544, 0.4587, 0.4278 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 22.5544, 0.4587, 0.4278 by changing the saturation by 10% instead.


 22.5544, 0.4587,
0.4278


 22.5544, 0.4587,
0.4278


 265.4280, 0.3803,
0.3793


 14.2648, 0.4780,
0.4372


 47.6606, 0.4298,
0.4115


 8.3051, 0.5012,
0.4463


 65.2460, 0.4190,
0.4049


 4.2908, 0.5389,
0.4611

 86.6989, 0.4099,
0.3991

 1.8375, 0.5549,
0.4451

 112.4035, 0.4022,
0.3941

 0.5104, 0.6074,
0.3926

 142.7443, 0.3955,
0.3896

 0.0000, 0.0000,
0.0000

 178.1058, 0.3898,

0.3858

218.8722, 0.3848,
0.3823

■ 22.5544, 0.4587,
0.4278

■ 22.5544, 0.4587,
0.4278

■ 20.7963, 0.4804,
0.4331

■ 24.4932, 0.4355,
0.4184

■ 19.2062, 0.4994,
0.4333

■ 26.6173, 0.4121,
0.4059

■ 17.9521, 0.5138,
0.4302

■ 28.9351, 0.3894,
0.3915

■ 31.4536, 0.3680,
0.3761

■ 34.1789, 0.3484,
0.3606

■ 37.1170, 0.3306,
0.3454

■ 40.2736, 0.3147,
0.3309

■ 43.6541, 0.3006,
0.3173

■ 47.2636, 0.2881,
0.3046

Harmonies

Analogous

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



22.5544, 0.4789, 0.3678



22.5544, 0.4587, 0.4278



22.5544, 0.3998, 0.4748

Triad

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



22.5544, 0.4587, 0.4278



22.5544, 0.1924, 0.3303



22.5544, 0.2845, 0.2192

Complementary

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



22.5544, 0.4587, 0.4278



12.5098, 0.1986, 0.1900

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.



22.5544, 0.2176, 0.2038



22.5544, 0.4587, 0.4278



22.5544, 0.1706, 0.2551

Square

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



22.5544, 0.4587, 0.4278



22.5544, 0.2461, 0.4218



22.5544, 0.1795, 0.2141



22.5544, 0.3703, 0.2561

Rectangle

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



22.5544, 0.4587, 0.4278



22.5544, 0.3489, 0.4850



22.5544, 0.1795, 0.2141



22.5544, 0.2593, 0.2114

Sweetspot

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



22.5555, 0.4587, 0.4278



61.2126, 0.3484, 0.3606



11.7690, 0.4468, 0.2606



13.3514, 0.3535, 0.3648



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



22.5555, 0.4587, 0.4278



35.4594, 0.4925, 0.4338



36.8991, 0.3963, 0.4911



8.7716, 0.3272, 0.3424



13.6417, 0.5126, 0.4312



0.4836, 0.4776, 0.4590

Inverse Universe

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



12.5098, 0.1986, 0.1900



16.5411, 0.1797, 0.1547



6.0707, 0.1849, 0.1094



8.2759, 0.2986, 0.3153



5.6217, 0.1700, 0.1319



0.2657, 0.1873, 0.1943

Previews

White Background



This preview shows how the Yxy color 22.5544, 0.4587, 0.4278 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 22.5544, 0.4587, 0.4278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

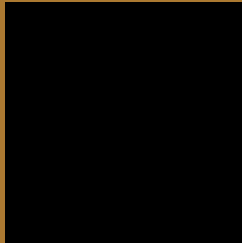
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5544, 0.4587, 0.4278

Background



This preview shows how black text looks on a background with the Yxy color 22.5544, 0.4587, 0.4278.



This preview shows how white text looks on a background with the Yxy color 22.5544, 0.4587, 0.4278.

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

22.5544, 0.4587, 0.4278

Protanopia

22.5915, 0.4142, 0.4545

Deuteranopia

22.4152, 0.4464, 0.4380



Tritanopia

22.6699, 0.3840, 0.3173

Trichromacy



Original Color

22.5544, 0.4587, 0.4278

Protanomaly

22.3863, 0.4306, 0.4442

Deuteranomaly

22.4863, 0.4512, 0.4346

Tritanomaly

22.5475, 0.4158, 0.3622

Monochromacy



Original Color

22.5544, 0.4587, 0.4278

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.4974, 0.3672, 0.3743

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5544, 0.4587, 0.4278 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(171, 121, 49)` looks like.

```
.text, #text, p{  
    color:rgb(171, 121, 49)  
}
```

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(171, 121, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 121, 49) }
```

Border

The CSS property to change the border of an element to Yxy 22.5544, 0.4587, 0.4278 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(171, 121, 49) }
```

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

```
.border{ border-color:rgb(171, 121, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 121, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 121, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 121, 49);  
box-shadow:4px 4px 4px 4px rgb(171, 121,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5544, 0.4587, 0.4278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 121, 49) }
```

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

```
.background{ background-color: rgb(171,  
121, 49) }
```

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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