

Converting Colors

$Y_{xy}(28.2702, 0.4570, 0.4743)$

Have a look what the booklet for
Yxy(28.2702, 0.4570, 0.4743)
contains.

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Color

Yxy(28.1703, 0.4576, 0.4736)

Conversions

Conversions Part 1

Format	Color
Hex	AF8D03
RGB	175, 141, 3
RGB Percent	69%, 55%, 1%
CMY	0.3138, 0.4470, 0.9877
CMYK	0.00, 0.19, 0.98, 0.31
HSL	48°, 96%, 35%
HSV	48°, 98%, 69%
XYZ	27.2186, 28.1703, 4.0923
YIQ	135.4340, 64.5620, -35.7100

Conversions

Conversions Part 2

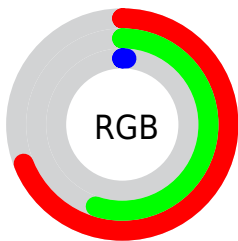
Format	Color
RYB	45, 175, 3
Decimal	11504899
CIELab	60.04, 1.80, 64.11
CIELCh	60, 64.139, 88.392
Yxy	28.1703, 0.4576, 0.4736
Android (android.graphics.Color)	4289694979 (0xFFAF8D03)
YUV	135.4340, -65.2900, 34.6994
Hunter-Lab	53.0757, -1.3430, 32.5815

Details

The Yxy color **28.1703, 0.4576, 0.4736** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **4.4442, 0.1567, 0.0825**, and the grayscale version is **24.6340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7136, 0.4356, 0.4514**, and **11.3337, 0.4644, 0.4694** is the 20% darker color. If you saturate the color by 10%, you get **27.9830, 0.4590, 0.4738**, and if you desaturate by 10%, it is **29.2539, 0.4494, 0.4720**.

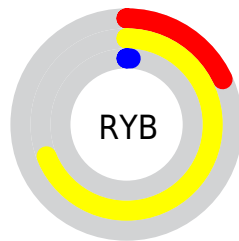
Distribution



Red (69%)

Green (55%)

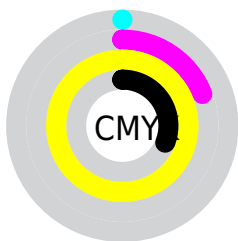
Blue (1%)



Red (18%)

Yellow (69%)

Blue (1%)

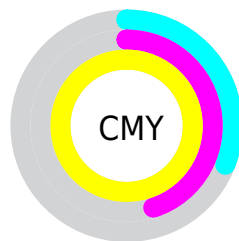


Cyan (0%)

Magenta (19%)

Yellow (98%)

Black (31%)



Cyan (31%)


Magenta (45%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1703, 0.4576, 0.4736 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 28.1703, 0.4576, 0.4736 by changing the saturation by 10% instead.

 28.1703, 0.4576,
0.4736

 28.1703, 0.4576,
0.4736


293.2798, 0.3883,
0.4054


 18.4541, 0.4703,
0.4856


 56.7562, 0.4350,
0.4518

 11.2765, 0.4854,
0.4994


 76.3947, 0.4256,
0.4425

 6.2531, 0.4941,
0.5059


 100.1094, 0.4173,
0.4343

 2.9996, 0.4959,
0.5041

 128.2847, 0.4100,
0.4271

 1.1315, 0.4992,
0.5008

 161.3050, 0.4035,
0.4207


 0.0047, 0.9118,
0.0882


 199.5547, 0.3979,


 0.0000, 0.0000,


0.4150


0.0000


 243.4181, 0.3928,
0.4100

 28.1703, 0.4576,
0.4736

 28.1703, 0.4576,
0.4736


 27.9830, 0.4590,
0.4738

 29.2539, 0.4494,
0.4720

 30.4103, 0.4386,
0.4663

 31.6523, 0.4252,
0.4560

 32.9866, 0.4097,
0.4419

 34.4193, 0.3928,
0.4248

■ 35.9556, 0.3754,
0.4057

■ 37.6002, 0.3579,
0.3855

■ 39.3575, 0.3410,
0.3650

■ 41.2315, 0.3250,
0.3449

Harmonies

Analogous

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



28.1703, 0.5116, 0.4016



28.1703, 0.4576, 0.4736



28.1703, 0.3712, 0.5235

Triad

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



28.1703, 0.4576, 0.4736



28.1703, 0.1507, 0.2795



28.1703, 0.3233, 0.2142

Complementary

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



28.1703, 0.4576, 0.4736



4.4442, 0.1567, 0.0825

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.



28.1703, 0.2287, 0.1842



28.1703, 0.4576, 0.4736



28.1703, 0.1436, 0.2091

Square

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



28.1703, 0.4576, 0.4736



28.1703, 0.1948, 0.3938



28.1703, 0.1691, 0.1808



28.1703, 0.4322, 0.2660

Rectangle

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



28.1703, 0.4576, 0.4736



28.1703, 0.3070, 0.5191



28.1703, 0.1691, 0.1808



28.1703, 0.2884, 0.2015

Sweetspot

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



28.1717, 0.4576, 0.4736



66.9629, 0.3602, 0.3881



9.3168, 0.6016, 0.3105



14.6061, 0.3674, 0.3966



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.



28.1717, 0.4576, 0.4736



49.8129, 0.4598, 0.4731



34.9034, 0.3680, 0.5448



9.0571, 0.3267, 0.3471



20.1305, 0.4585, 0.4742



0.6277, 0.4446, 0.4852

Inverse Universe

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



4.4442, 0.1567, 0.0825



7.4099, 0.1549, 0.0776



3.9658, 0.1724, 0.0733



8.0041, 0.2986, 0.3103



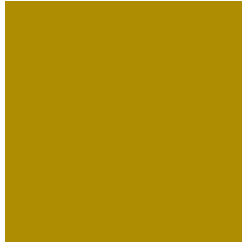
3.1321, 0.1560, 0.0814



0.1602, 0.1707, 0.1344

Previews

White Background



This preview shows how the Yxy color 28.1703, 0.4576, 0.4736 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 28.1703, 0.4576, 0.4736 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 28.1703, 0.4576, 0.4736

Background



This preview shows how black text looks on a background with the Yxy color 28.1703, 0.4576, 0.4736.



This preview shows how white text looks on a background with the Yxy color 28.1703, 0.4576, 0.4736.

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

28.1703, 0.4576, 0.4736

Protanopia

28.1608, 0.4396, 0.4858

Deuteranopia

27.9877, 0.4694, 0.4602



Tritanopia

28.1008, 0.3610, 0.3149

Trichromacy



Original Color

28.1703, 0.4576, 0.4736

Protanomaly

28.2845, 0.4456, 0.4819

Deuteranomaly

27.9000, 0.4658, 0.4648

Tritanomaly

27.6670, 0.4133, 0.3924

Monochromacy



Original Color

28.1703, 0.4576, 0.4736

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.0635, 0.3814, 0.4113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1703, 0.4576, 0.4736 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, 141, 3)` looks like.

```
.text, #text, p{  
    color:rgb(175, 141, 3)  
}
```

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, 141, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 141, 3) }
```

Border

The CSS property to change the border of an element to Yxy 28.1703, 0.4576, 0.4736 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, 141, 3) }
```

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

```
.border{ border-color:rgb(175, 141, 3) }
```

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

Here you see how a box with a 4 pixel rgb(175, 141, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 141, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 141, 3);  
box-shadow:4px 4px 4px 4px rgb(175, 141,  
3) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1703, 0.4576, 0.4736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 141, 3) }
```

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

```
.background{ background-color: rgb(175,  
141, 3) }
```

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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