

Converting Colors

$Y_{xy}(28.4605, 0.4362, 0.4517)$

Have a look what the booklet for
Yxy(28.4605, 0.4362, 0.4517)
contains.

Yxy(28.4605, 0.4362, 0.4517)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.4605, 0.4362, 0.4517)

Conversions

Conversions Part 1

Format	Color
Hex	AD8E32
RGB	173, 142, 50
RGB Percent	68%, 56%, 20%
CMY	0.3215, 0.4431, 0.8039
CMYK	0.00, 0.18, 0.71, 0.32
HSL	45°, 55%, 44%
HSV	45°, 71%, 68%
XYZ	27.4839, 28.4605, 7.0631
YIQ	140.7810, 48.0080, -22.0400

Conversions

Conversions Part 2

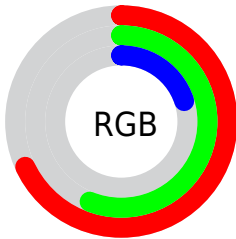
Format	Color
R_{YB}	91, 173, 50
Decimal	11374130
CIE Lab	60.30, 1.75, 51.20
CIE LCh	60, 51.225, 88.047
Yxy	28.4605, 0.4362, 0.4517
Android (android.graphics.Color)	4289564210 (0xFFAD8E32)
YUV	140.7810, -44.7550, 28.2561
Hunter-Lab	53.3484, -1.4005, 29.4941

Details

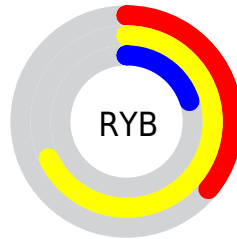
The Yxy color **28.4605, 0.4362, 0.4517** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **9.5831, 0.1899, 0.1542**, and the grayscale version is **26.7115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9784, 0.4140, 0.4300**, and **11.4362, 0.4609, 0.4722** is the 20% darker color. If you saturate the color by 10%, you get **27.0671, 0.4510, 0.4599**, and if you desaturate by 10%, it is **29.9639, 0.4193, 0.4394**.

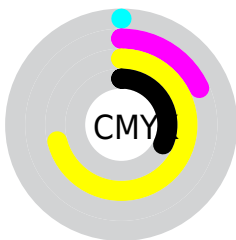
Distribution



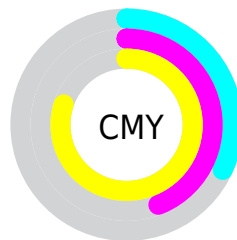
- Red (68%)
- Green (56%)
- Blue (20%)



- Red (36%)
- Yellow (68%)
- Blue (20%)



- Cyan (0%)
- Magenta (18%)
- Yellow (71%)
- Black (32%)





- Cyan (32%)
- Magenta (44%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4605, 0.4362, 0.4517 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 28.4605, 0.4362, 0.4517 by changing the saturation by 10% instead.


 28.4605, 0.4362,
0.4517


 28.4605, 0.4362,
0.4517

294.6609, 0.3739,
0.3905

 18.6731, 0.4500,
0.4648


 57.2188, 0.4144,
0.4305


 11.4343, 0.4655,
0.4794


 76.9585, 0.4058,
0.4221

 6.3597, 0.4910,
0.5032


 100.7844, 0.3985,
0.4149

 3.0650, 0.4956,
0.5044

 129.0809, 0.3922,
0.4087

 1.1658, 0.4988,
0.5012

 162.2324, 0.3867,
0.4032

 0.0335, 0.6897,
0.3103

 200.6233, 0.3819,

 0.0000, 0.0000,

0.3985

0.0000

244.6380, 0.3776,
0.3942

■ 28.4605, 0.4362,
0.4517

■ 28.4605, 0.4362,
0.4517

■ 27.0671, 0.4510,
0.4599

■ 29.9639, 0.4193,
0.4394

■ 25.7722, 0.4631,
0.4635

■ 31.5794, 0.4011,
0.4239

■ 24.6897, 0.4719,
0.4635

■ 33.3139, 0.3825,
0.4063

■ 35.1725, 0.3641,
0.3874

■ 37.1598, 0.3463,
0.3682

■ 39.2801, 0.3297,
0.3492

■ 41.5375, 0.3143,
0.3309

■ 43.9359, 0.3003,
0.3137

■ 46.4788, 0.2875,
0.2975

Harmonies

Analogous

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



28.4605, 0.4760, 0.3949



28.4605, 0.4362, 0.4517



28.4605, 0.3665, 0.4844

Triad

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



28.4605, 0.4362, 0.4517



28.4605, 0.1787, 0.2930



28.4605, 0.3216, 0.2331

Complementary

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



28.4605, 0.4362, 0.4517



9.5831, 0.1899, 0.1542

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.



28.4605, 0.2440, 0.2076



28.4605, 0.4362, 0.4517



28.4605, 0.1708, 0.2327

Square

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



28.4605, 0.4362, 0.4517



28.4605, 0.2185, 0.3819



28.4605, 0.1927, 0.2060



28.4605, 0.4075, 0.2778

Rectangle

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



28.4605, 0.4362, 0.4517



28.4605, 0.3132, 0.4767



28.4605, 0.1927, 0.2060



28.4605, 0.2934, 0.2222

Sweetspot

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



28.4619, 0.4362, 0.4517



66.4442, 0.3468, 0.3687



11.7888, 0.4851, 0.2869



14.2297, 0.3514, 0.3738



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.



28.4619, 0.4362, 0.4517



47.1994, 0.4579, 0.4624



36.0779, 0.3776, 0.5031



8.9831, 0.3269, 0.3459



18.2308, 0.4712, 0.4640



0.5876, 0.4525, 0.4789

Inverse Universe

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



9.5831, 0.1899, 0.1542



11.7340, 0.1698, 0.1161



6.9492, 0.2011, 0.1176



8.0731, 0.2986, 0.3115



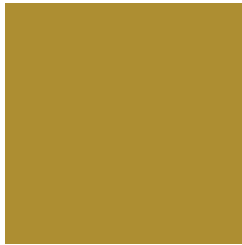
3.5981, 0.1588, 0.0917



0.1873, 0.1754, 0.1514

Previews

White Background



This preview shows how the Yxy color 28.4605, 0.4362, 0.4517 looks on a white background.

Color Contrast Check

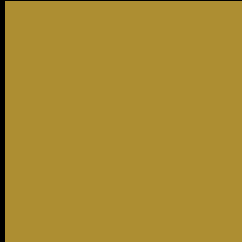
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4605, 0.4362, 0.4517 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 28.4605, 0.4362, 0.4517

Background



This preview shows how black text looks on a background with the Yxy color 28.4605, 0.4362, 0.4517.



This preview shows how white text looks on a background with the Yxy color 28.4605, 0.4362, 0.4517.

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

28.4605, 0.4362, 0.4517

Protanopia

28.5833, 0.4201, 0.4622

Deuteranopia

28.3611, 0.4498, 0.4403



Tritanopia

28.4615, 0.3558, 0.3148

Trichromacy



Original Color

28.4605, 0.4362, 0.4517

Protanomaly

28.7053, 0.4256, 0.4583

Deuteranomaly

28.2880, 0.4454, 0.4434

Tritanomaly

28.0596, 0.3904, 0.3688

Monochromacy



Original Color

28.4605, 0.4362, 0.4517

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.9048, 0.3608, 0.3826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4605, 0.4362, 0.4517 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(173, 142, 50)` looks like.

```
.text, #text, p{  
    color:rgb(173, 142, 50)  
}
```

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(173, 142, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 142, 50) }
```

Border

The CSS property to change the border of an element to Yxy 28.4605, 0.4362, 0.4517 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(173, 142, 50) }
```

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

```
.border{ border-color:rgb(173, 142, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 142, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 142, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 142, 50);  
box-shadow:4px 4px 4px 4px rgb(173, 142,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4605, 0.4362, 0.4517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 142, 50) }
```

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

```
.background{ background-color: rgb(173,  
142, 50) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor