

Converting Colors

$Y_{xy}(28.2276, 0.4640, 0.4160)$

Have a look what the booklet for
Yxy(28.2276, 0.4640, 0.4160)
contains.

Yxy(28.1716, 0.4639, 0.4153)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.1716, 0.4639, 0.4153)

Conversions

Conversions Part 1

Format	Color
Hex	C3833D
RGB	195, 131, 61
RGB Percent	76%, 51%, 24%
CMY	0.2352, 0.4863, 0.7608
CMYK	0.00, 0.33, 0.69, 0.24
HSL	31°, 53%, 50%
HSV	31°, 69%, 76%
XYZ	31.4683, 28.1716, 8.1944
YIQ	142.1560, 60.6140, -8.2020

Conversions

Conversions Part 2

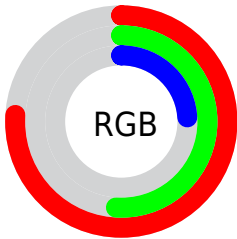
Format	Color
RYB	184, 195, 61
Decimal	12813117
CIELab	60.04, 18.12, 46.67
CIELCh	60, 50.065, 68.775
Yxy	28.1716, 0.4639, 0.4153
Android (android.graphics.Color)	4291003197 (0xFFC3833D)
YUV	142.1560, -40.0099, 46.3442
Hunter-Lab	53.0769, 12.9448, 28.0002

Details

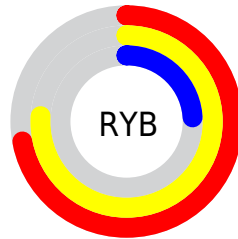
The Yxy color **28.1716, 0.4639, 0.4153** is a dark color, and the websafe version is hex **CC9966**. The color can be described as dark muted orange. A complement of this color would be **19.6083, 0.2052, 0.2105**, and the grayscale version is **27.2598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6887, 0.4353, 0.4029**, and **11.2208, 0.5074, 0.4280** is the 20% darker color. If you saturate the color by 10%, you get **25.6085, 0.4895, 0.4201**, and if you desaturate by 10%, it is **31.0390, 0.4374, 0.4065**.

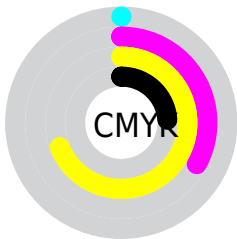
Distribution



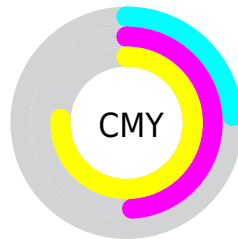
- Red (76%)
- Green (51%)
- Blue (24%)



- Red (72%)
- Yellow (76%)
- Blue (24%)



- Cyan (0%)
- Magenta (33%)
- Yellow (69%)
- Black (24%)





- Cyan (24%)
- Magenta (49%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1716, 0.4639, 0.4153 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 28.1716, 0.4639, 0.4153 by changing the saturation by 10% instead.

 28.1716, 0.4639,
0.4153

 28.1716, 0.4639,
0.4153


293.2860, 0.3847,
0.3755


 18.4551, 0.4831,
0.4224


 56.7583, 0.4351,
0.4025

 11.2772, 0.5065,
0.4289


 76.3972, 0.4242,
0.3972

 6.2536, 0.5388,
0.4362


 100.1124, 0.4150,
0.3924

 2.9999, 0.5696,
0.4304

 128.2883, 0.4071,
0.3882

 1.1317, 0.5983,
0.4017

 161.3091, 0.4004,
0.3845

 0.0048, 0.9894,
0.0106

 199.5595, 0.3945,

 0.0000, 0.0000,

0.3811

0.0000

243.4236, 0.3893,
0.3782

■ 28.1716, 0.4639,
0.4153

■ 28.1716, 0.4639,
0.4153

■ 25.6085, 0.4895,
0.4201

■ 31.0390, 0.4374,
0.4065

■ 23.3309, 0.5126,
0.4198

■ 34.2196, 0.4115,
0.3949

■ 21.3195, 0.5322,
0.4144

■ 37.7268, 0.3870,
0.3816

■ 21.0781, 0.5347,
0.4136

■ 41.5718, 0.3646,
0.3676

■ 45.7652, 0.3444,
0.3537

■ 50.3169, 0.3265,
0.3402

■ 55.2364, 0.3108,
0.3274

■ 60.5329, 0.2971,
0.3155

■ 66.2151, 0.2850,
0.3045

Harmonies

Analogous

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



28.1716, 0.4738, 0.3557



28.1716, 0.4639, 0.4153



28.1716, 0.4122, 0.4655

Triad

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



28.1716, 0.4639, 0.4153



28.1716, 0.2025, 0.3482



28.1716, 0.2700, 0.2160

Complementary

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



28.1716, 0.4639, 0.4153



19.6083, 0.2052, 0.2105

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.



28.1716, 0.2094, 0.2056



28.1716, 0.4639, 0.4153



28.1716, 0.1746, 0.2687

Square

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



28.1716, 0.4639, 0.4153



28.1716, 0.2611, 0.4355



28.1716, 0.1775, 0.2214



28.1716, 0.3523, 0.2486

Rectangle

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



28.1716, 0.4639, 0.4153



28.1716, 0.3640, 0.4816



28.1716, 0.1775, 0.2214



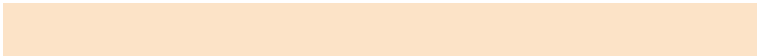
28.1716, 0.2468, 0.2099

Sweetspot

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



28.1730, 0.4639, 0.4153



79.9285, 0.3494, 0.3573



16.4435, 0.4249, 0.2501



17.0366, 0.3550, 0.3612



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.



28.1730, 0.4639, 0.4153



43.9360, 0.5004, 0.4206



50.6858, 0.4030, 0.4829



10.9287, 0.3276, 0.3410



13.8659, 0.5327, 0.4152



0.7365, 0.5009, 0.4405

Inverse Universe

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



19.6083, 0.2052, 0.2105



27.6741, 0.1884, 0.1812



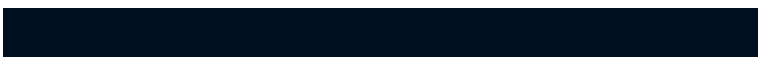
8.3437, 0.1825, 0.1120



10.5241, 0.2984, 0.3167



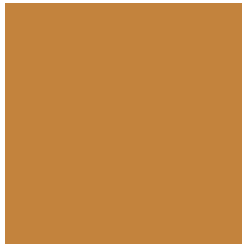
7.8337, 0.1756, 0.1522



0.4764, 0.1873, 0.1942

Previews

White Background



This preview shows how the Yxy color 28.1716, 0.4639, 0.4153 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 28.1716, 0.4639, 0.4153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

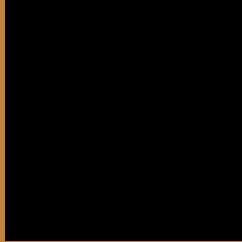
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1716, 0.4639, 0.4153

Background



This preview shows how black text looks on a background with the Yxy color 28.1716, 0.4639, 0.4153.



This preview shows how white text looks on a background with the Yxy color 28.1716, 0.4639, 0.4153.

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

28.1716, 0.4639, 0.4153

Protanopia

28.2095, 0.4087, 0.4472

Deuteranopia

28.1960, 0.4418, 0.4340



Tritanopia

28.1112, 0.3959, 0.3173

Trichromacy



Original Color

28.1716, 0.4639, 0.4153

Protanomaly

28.0106, 0.4279, 0.4353

Deuteranomaly

27.9685, 0.4497, 0.4265

Tritanomaly

27.9681, 0.4243, 0.3558

Monochromacy



Original Color

28.1716, 0.4639, 0.4153

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.9463, 0.3660, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1716, 0.4639, 0.4153 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(195, 131, 61)` looks like.

```
.text, #text, p{  
    color:rgb(195, 131, 61)  
}
```

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(195, 131, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 131, 61) }
```

Border

The CSS property to change the border of an element to Yxy 28.1716, 0.4639, 0.4153 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(195, 131, 61) }
```

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

```
.border{ border-color:rgb(195, 131, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 131, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 131, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 131, 61);  
box-shadow:4px 4px 4px 4px rgb(195, 131,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1716, 0.4639, 0.4153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 131, 61) }
```

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

```
.background{ background-color: rgb(195,  
131, 61) }
```

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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