

Converting Colors

$Y_{xy}(28.3782, 0.5225, 0.4143)$

Have a look what the booklet for
Yxy(28.3782, 0.5225, 0.4143)
contains.

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Color

Yxy(28.3963, 0.5221, 0.4144)

Conversions

Conversions Part 1

Format	Color
Hex	DA7816
RGB	218, 120, 22
RGB Percent	85%, 47%, 9%
CMY	0.1451, 0.5294, 0.9140
CMYK	0.00, 0.45, 0.90, 0.15
HSL	30°, 82%, 47%
HSV	30°, 90%, 85%
XYZ	35.7763, 28.3963, 4.3513
YIQ	138.1300, 89.8660, -9.7020

Conversions

Conversions Part 2

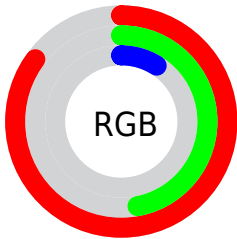
Format	Color
R _Y B	218, 218, 22
Decimal	14317590
CIE Lab	60.25, 32.37, 63.08
CIE LCh	60, 70.900, 62.835
Yxy	28.3963, 0.5221, 0.4144
Android (android.graphics.Color)	4292507670 (0xFFDA7816)
YUV	138.1300, -57.2521, 70.0460
Hunter-Lab	53.2882, 26.5860, 32.4604

Details

The Yxy color **28.3963, 0.5221, 0.4144** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **18.6528, 0.1837, 0.1739**, and the grayscale version is **25.6635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7117, 0.4658, 0.4182**, and **11.4482, 0.5536, 0.3986** is the 20% darker color. If you saturate the color by 10%, you get **25.8666, 0.5421, 0.4077**, and if you desaturate by 10%, it is **31.2922, 0.4984, 0.4162**.

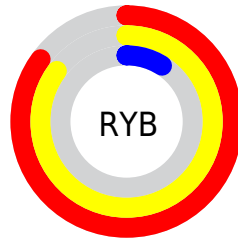
Distribution



Red (85%)

Green (47%)

Blue (9%)



Red (85%)

Yellow (85%)

Blue (9%)

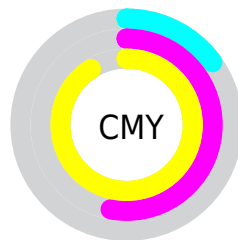


Cyan (0%)

Magenta (45%)

Yellow (90%)

Black (15%)



Cyan (15%)

Magenta (53%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3963, 0.5221, 0.4144 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 28.3963, 0.5221, 0.4144 by changing the saturation by 10% instead.


 28.3963, 0.5221,
0.4144


 28.3963, 0.5221,
0.4144


294.3558, 0.4171,
0.3844

 18.6246, 0.5444,
0.4150


 57.1165, 0.4860,
0.4081


 11.3993, 0.5713,
0.4127


 76.8339, 0.4716,
0.4043


 6.3361, 0.5988,
0.4012


 100.6352, 0.4592,
0.4004

 3.0505, 0.6258,
0.3742

 128.9049, 0.4485,
0.3968

 1.1582, 0.6691,
0.3309

 162.0275, 0.4391,
0.3933

 0.0271, 0.9678,
0.0322

 200.3872, 0.4309,

 0.0000, 0.0000,

0.3901

0.0000

244.3685, 0.4236,
0.3871

28.3963, 0.5221,
0.4144

28.3963, 0.5221,
0.4144

25.8666, 0.5421,
0.4077

31.2922, 0.4984,
0.4162

25.8513, 0.5423,
0.4076

34.5803, 0.4718,
0.4127

38.2830, 0.4442,
0.4049

42.4190, 0.4170,
0.3941

47.0054, 0.3915,
0.3814

■ 52.0581, 0.3681,
0.3680

■ 57.5922, 0.3472,
0.3545

■ 63.6217, 0.3288,
0.3414

■ 70.1602, 0.3126,
0.3289

Harmonies

Analogous

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



28.3963, 0.5307, 0.3387



28.3963, 0.5221, 0.4144



28.3963, 0.4540, 0.4933

Triad

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



28.3963, 0.5221, 0.4144



28.3963, 0.1740, 0.3792



28.3963, 0.2338, 0.1765

Complementary

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



28.3963, 0.5221, 0.4144



18.6528, 0.1837, 0.1739

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.



28.3963, 0.1650, 0.1681



28.3963, 0.5221, 0.4144



28.3963, 0.1347, 0.2582

Square

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



28.3963, 0.5221, 0.4144



28.3963, 0.2549, 0.5082



28.3963, 0.1333, 0.1914



28.3963, 0.3412, 0.2120

Rectangle

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



28.3963, 0.5221, 0.4144



28.3963, 0.3911, 0.5348



28.3963, 0.1333, 0.1914



28.3963, 0.2063, 0.1706

Sweetspot

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



28.3978, 0.5221, 0.4144



76.3053, 0.3622, 0.3643



16.8338, 0.4743, 0.2450



15.7712, 0.3698, 0.3690



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.



28.3978, 0.5221, 0.4144



36.5773, 0.5436, 0.4066



65.1117, 0.4173, 0.5020



14.1221, 0.3279, 0.3407



15.7016, 0.5400, 0.4094



1.1896, 0.5151, 0.4292

Inverse Universe

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



18.6528, 0.1837, 0.1739



22.5192, 0.1762, 0.1544



5.8039, 0.1546, 0.0676



13.6872, 0.2982, 0.3170



9.7967, 0.1774, 0.1585



0.8070, 0.1856, 0.1880

Previews

White Background



This preview shows how the Yxy color 28.3963, 0.5221, 0.4144 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 28.3963, 0.5221, 0.4144 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 28.3963, 0.5221, 0.4144

Background



This preview shows how black text looks on a background with the Yxy color 28.3963, 0.5221, 0.4144.



This preview shows how white text looks on a background with the Yxy color 28.3963, 0.5221, 0.4144.

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

28.3963, 0.5221, 0.4144

Protanopia

28.5390, 0.4326, 0.4784

Deuteranopia

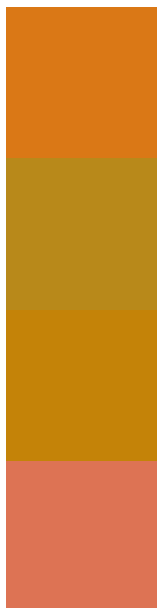
28.3673, 0.4717, 0.4637



Tritanopia

28.4740, 0.4418, 0.3200

Trichromacy



Original Color

28.3963, 0.5221, 0.4144

Protanomaly

28.1562, 0.4665, 0.4545

Deuteranomaly

27.9859, 0.4916, 0.4448

Tritanomaly

28.2737, 0.4833, 0.3639

Monochromacy



Original Color

28.3963, 0.5221, 0.4144

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.2926, 0.3963, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3963, 0.5221, 0.4144 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(218, 120, 22)` looks like.

```
.text, #text, p{  
    color:rgb(218, 120, 22)  
}
```

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(218, 120, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 120, 22) }
```

Border

The CSS property to change the border of an element to Yxy 28.3963, 0.5221, 0.4144 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(218, 120, 22) }
```

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

```
.border{ border-color:rgb(218, 120, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 120, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 120, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 120, 22);  
box-shadow:4px 4px 4px 4px rgb(218, 120,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3963, 0.5221, 0.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 120, 22) }
```

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

```
.background{ background-color: rgb(218,  
120, 22) }
```

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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