

Converting Colors

$Y_{xy}(28.6083, 0.5091, 0.4056)$

Have a look what the booklet for
Yxy(28.6083, 0.5091, 0.4056)
contains.

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Color

$\text{Yxy}(28.6083, 0.5091, 0.4056)$

Conversions

Conversions Part 1

Format	Color
Hex	D9792C
RGB	217, 121, 44
RGB Percent	85%, 47%, 17%
CMY	0.1490, 0.5255, 0.8273
CMYK	0.00, 0.44, 0.80, 0.15
HSL	27°, 69%, 51%
HSV	27°, 80%, 85%
XYZ	35.9085, 28.6083, 6.0165
YIQ	140.9260, 81.9330, -3.5950

Conversions

Conversions Part 2

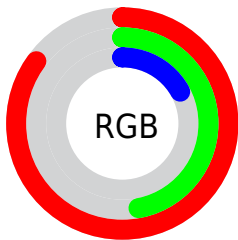
Format	Color
R _Y B	217, 183, 44
Decimal	14252332
CIE Lab	60.43, 32.00, 55.61
CIE LCh	60, 64.156, 60.082
Yxy	28.6083, 0.5091, 0.4056
Android (android.graphics.Color)	4292442412 (0xFFD9792C)
YUV	140.9260, -47.7845, 66.7169
Hunter-Lab	53.4867, 26.2348, 30.7714

Details

The Yxy color **28.6083, 0.5091, 0.4056** 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 **24.3153, 0.1972, 0.2089**, and the grayscale version is **26.7750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.3583, 0.4543, 0.4070**, and **11.5744, 0.5518, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **25.7398, 0.5356, 0.4028**, and if you desaturate by 10%, it is **31.9306, 0.4797, 0.4032**.

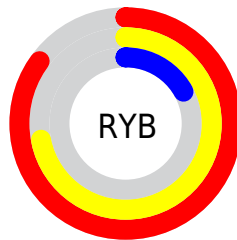
Distribution



Red (85%)

Green (47%)

Blue (17%)



Red (85%)

Yellow (72%)

Blue (17%)

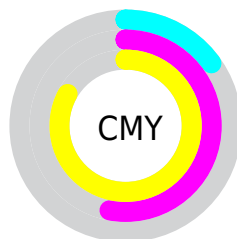


Cyan (0%)

Magenta (44%)

Yellow (80%)

Black (15%)



Cyan (15%)


Magenta (53%)


Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6083, 0.5091, 0.4056 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 28.6083, 0.5091, 0.4056 by changing the saturation by 10% instead.


 28.6083, 0.5091,
0.4056


 28.6083, 0.5091,
0.4056


295.3623, 0.4082,
0.3768


 18.7847, 0.5321,
0.4074


 57.4542, 0.4733,
0.3987

 11.5148, 0.5592,
0.4061


 77.2452, 0.4595,
0.3949

 6.4142, 0.5973,
0.4027


 101.1276, 0.4477,
0.3913

 3.0986, 0.6238,
0.3762

 129.4856, 0.4375,
0.3879

 1.1834, 0.6664,
0.3336

 162.7037, 0.4287,
0.3848

 0.0481, 0.9450,
0.0550

 201.1662, 0.4210,

 0.0000, 0.0000,

0.3819

0.0000

245.2576, 0.4142,
0.3792

■ 28.6083, 0.5091,
0.4056

■ 28.6083, 0.5091,
0.4056

■ 25.7398, 0.5356,
0.4028

■ 31.9306, 0.4797,
0.4032

■ 23.2870, 0.5578,
0.3950

■ 35.7266, 0.4495,
0.3965

■ 23.2196, 0.5585,
0.3948

■ 40.0197, 0.4202,
0.3869

■ 44.8302, 0.3932,
0.3756

■ 50.1769, 0.3688,
0.3636

■ 56.0775, 0.3473,
0.3514

■ 62.5489, 0.3285,
0.3397

■ 69.6070, 0.3123,
0.3287

■ 77.2674, 0.2983,
0.3184

Harmonies

Analogous

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



28.6083, 0.5077, 0.3348



28.6083, 0.5091, 0.4056



28.6083, 0.4529, 0.4769

Triad

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



28.6083, 0.5091, 0.4056



28.6083, 0.1918, 0.3865



28.6083, 0.2335, 0.1858

Complementary

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



28.6083, 0.5091, 0.4056



24.3153, 0.1972, 0.2089

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.



28.6083, 0.1720, 0.1808



28.6083, 0.5091, 0.4056



28.6083, 0.1500, 0.2745

Square

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



28.6083, 0.5091, 0.4056



28.6083, 0.2704, 0.4954



28.6083, 0.1448, 0.2070



28.6083, 0.3293, 0.2170

Rectangle

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



28.6083, 0.5091, 0.4056



28.6083, 0.3968, 0.5138



28.6083, 0.1448, 0.2070



28.6083, 0.2090, 0.1810

Sweetspot

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



28.6098, 0.5091, 0.4056



76.8755, 0.3566, 0.3569



18.5114, 0.4285, 0.2306



15.8083, 0.3645, 0.3613



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.



28.6098, 0.5091, 0.4056



34.5058, 0.5517, 0.3973



58.8228, 0.4220, 0.4866



14.0005, 0.3280, 0.3394



14.2594, 0.5560, 0.3967



1.0939, 0.5282, 0.4188

Inverse Universe

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



24.3153, 0.1972, 0.2089



27.8666, 0.1839, 0.1800



8.3338, 0.1667, 0.0928



13.8097, 0.2982, 0.3183



11.4431, 0.1826, 0.1773



0.9123, 0.1901, 0.2042

Previews

White Background



This preview shows how the Yxy color 28.6083, 0.5091, 0.4056 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 28.6083, 0.5091, 0.4056 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 28.6083, 0.5091, 0.4056

Background



This preview shows how black text looks on a background with the Yxy color 28.6083, 0.5091, 0.4056.



This preview shows how white text looks on a background with the Yxy color 28.6083, 0.5091, 0.4056.

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

28.6083, 0.5091, 0.4056

Protanopia

28.5833, 0.4201, 0.4622

Deuteranopia

28.7892, 0.4592, 0.4506



Tritanopia

28.5629, 0.4388, 0.3199

Trichromacy



Original Color

28.6083, 0.5091, 0.4056

Protanomaly

28.1720, 0.4541, 0.4410

Deuteranomaly

28.3915, 0.4785, 0.4326

Tritanomaly

28.4967, 0.4711, 0.3558

Monochromacy



Original Color

28.6083, 0.5091, 0.4056

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.5258, 0.3854, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6083, 0.5091, 0.4056 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(217, 121, 44)` looks like.

```
.text, #text, p{  
    color:rgb(217, 121, 44)  
}
```

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(217, 121, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 121, 44) }
```

Border

The CSS property to change the border of an element to Yxy 28.6083, 0.5091, 0.4056 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(217, 121, 44) }
```

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

```
.border{ border-color:rgb(217, 121, 44) }
```

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

Here you see how a box with a 4 pixel rgb(217, 121, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 121, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 121, 44);  
box-shadow:4px 4px 4px 4px rgb(217, 121,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6083, 0.5091, 0.4056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 121, 44) }
```

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

```
.background{ background-color: rgb(217,  
121, 44) }
```

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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