

Converting Colors

$Y_{xy}(28.2070, 0.5241, 0.4027)$

Have a look what the booklet for
Yxy(28.2070, 0.5241, 0.4027)
contains.

Yxy(28.1417, 0.5246, 0.4026)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(28.1417, 0.5246, 0.4026)$

Conversions

Conversions Part 1

Format	Color
Hex	DE7423
RGB	222, 116, 35
RGB Percent	87%, 45%, 14%
CMY	0.1295, 0.5450, 0.8628
CMYK	0.00, 0.48, 0.84, 0.13
HSL	26°, 74%, 50%
HSV	26°, 84%, 87%
XYZ	36.6695, 28.1417, 5.0887
YIQ	138.4600, 89.1770, -2.7190

Conversions

Conversions Part 2

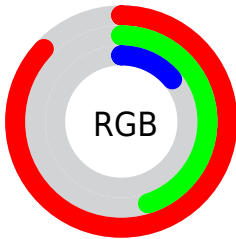
Format	Color
R_{YB}	222, 178, 35
Decimal	14578723
CIE _{Lab}	60.02, 36.33, 59.02
CIE _{LCh}	60, 69.310, 58.383
Yxy	28.1417, 0.5246, 0.4026
Android (android.graphics.Color)	4292768803 (0xFFDE7423)
YUV	138.4600, -51.0058, 73.2646
Hunter-Lab	53.0488, 30.5513, 31.4467

Details

The Yxy color **28.1417, 0.5246, 0.4026** 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 **24.6690, 0.1938, 0.2044**, and the grayscale version is **25.7758, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3405, 0.4632, 0.4077**, and **11.2542, 0.5661, 0.3887** is the 20% darker color. If you saturate the color by 10%, you get **25.3434, 0.5495, 0.3970**, and if you desaturate by 10%, it is **31.4191, 0.4956, 0.4028**.

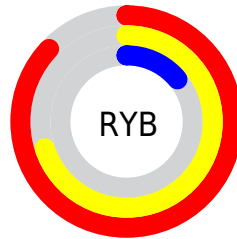
Distribution



Red (87%)

Green (45%)

Blue (14%)



Red (87%)

Yellow (70%)

Blue (14%)

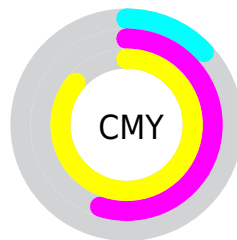


Cyan (0%)

Magenta (48%)

Yellow (84%)

Black (13%)



Cyan (13%)


Magenta (55%)

Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1417, 0.5246, 0.4026 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 28.1417, 0.5246, 0.4026 by changing the saturation by 10% instead.


 28.1417, 0.5246,
0.4026


 28.1417, 0.5246,
0.4026


293.1434, 0.4165,
0.3777

 18.4325, 0.5486,
0.4025


 56.7106, 0.4867,
0.3978


 11.2609, 0.5768,
0.3985


 76.3391, 0.4719,
0.3947

 6.2426, 0.6116,
0.3884


 100.0428, 0.4592,
0.3915

 2.9932, 0.6411,
0.3589

 128.2061, 0.4483,
0.3884

 1.1282, 0.6881,
0.3119

 161.2134, 0.4387,
0.3854

 0.0018, 0.9979,
0.0021

 199.4492, 0.4304,

 0.0000, 0.0000,

0.3827

0.0000

243.2977, 0.4231,
0.3801

■ 28.1417, 0.5246,
0.4026

■ 28.1417, 0.5246,
0.4026

■ 25.3434, 0.5495,
0.3970

■ 31.4191, 0.4956,
0.4028

■ 23.9267, 0.5621,
0.3919

■ 35.1994, 0.4649,
0.3982

■ 39.5094, 0.4345,
0.3901

■ 44.3721, 0.4059,
0.3796

■ 49.8089, 0.3799,
0.3681

■ 55.8399, 0.3569,
0.3562

■ 62.4838, 0.3368,
0.3446

■ 69.7589, 0.3194,
0.3335

■ 77.6822, 0.3043,
0.3231

Harmonies

Analogous

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



28.1417, 0.5212, 0.3286



28.1417, 0.5246, 0.4026



28.1417, 0.4648, 0.4804

Triad

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



28.1417, 0.5246, 0.4026



28.1417, 0.1859, 0.3989



28.1417, 0.2226, 0.1757

Complementary

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



28.1417, 0.5246, 0.4026



24.6690, 0.1938, 0.2044

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.



28.1417, 0.1603, 0.1717



28.1417, 0.5246, 0.4026



28.1417, 0.1405, 0.2743

Square

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



28.1417, 0.5246, 0.4026



28.1417, 0.2707, 0.5168



28.1417, 0.1339, 0.2004



28.1417, 0.3234, 0.2070

Rectangle

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



28.1417, 0.5246, 0.4026



28.1417, 0.4051, 0.5243



28.1417, 0.1339, 0.2004



28.1417, 0.1975, 0.1712

Sweetspot

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



28.1432, 0.5246, 0.4026



75.6293, 0.3590, 0.3574



18.7447, 0.4327, 0.2268



15.5477, 0.3669, 0.3616



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.



28.1432, 0.5246, 0.4026



32.5181, 0.5634, 0.3909



59.9849, 0.4277, 0.4878



14.6725, 0.3281, 0.3392



14.4261, 0.5596, 0.3939



1.1755, 0.5328, 0.4152

Inverse Universe

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



24.6690, 0.1938, 0.2044



27.3211, 0.1827, 0.1776



7.9613, 0.1620, 0.0857



14.5260, 0.2981, 0.3186



12.1917, 0.1837, 0.1811



1.0221, 0.1906, 0.2061

Previews

White Background



This preview shows how the Yxy color 28.1417, 0.5246, 0.4026 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 28.1417, 0.5246, 0.4026 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 28.1417, 0.5246, 0.4026

Background



This preview shows how black text looks on a background with the Yxy color 28.1417, 0.5246, 0.4026.



This preview shows how white text looks on a background with the Yxy color 28.1417, 0.5246, 0.4026.

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

28.1417, 0.5246, 0.4026

Protanopia

28.2045, 0.4265, 0.4690

Deuteranopia

28.3102, 0.4649, 0.4573



Tritanopia

27.9936, 0.4527, 0.3203

Trichromacy



Original Color

28.1417, 0.5246, 0.4026

Protanomaly

27.3870, 0.4642, 0.4436

Deuteranomaly

27.9194, 0.4879, 0.4364

Tritanomaly

27.9043, 0.4863, 0.3557

Monochromacy



Original Color

28.1417, 0.5246, 0.4026

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.3399, 0.3935, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1417, 0.5246, 0.4026 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(222, 116, 35)` looks like.

```
.text, #text, p{  
    color:rgb(222, 116, 35)  
}
```

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(222, 116, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 116, 35) }
```

Border

The CSS property to change the border of an element to Yxy 28.1417, 0.5246, 0.4026 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(222, 116, 35) }
```

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

```
.border{ border-color:rgb(222, 116, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 116, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 116, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 116, 35);  
box-shadow:4px 4px 4px 4px rgb(222, 116,  
35) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1417, 0.5246, 0.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 116, 35) }
```

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

```
.background{ background-color: rgb(222,  
116, 35) }
```

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