

Converting Colors

$Y_{xy}(28.1233, 0.4924, 0.4049)$

Have a look what the booklet for
Yxy(28.1233, 0.4924, 0.4049)
contains.

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Color

Yxy(27.9876, 0.4925, 0.4049)

Conversions

Conversions Part 1

Format	Color
Hex	D17B36
RGB	209, 123, 54
RGB Percent	82%, 48%, 21%
CMY	0.1804, 0.5176, 0.7884
CMYK	0.00, 0.41, 0.74, 0.18
HSL	27°, 63%, 52%
HSV	27°, 74%, 82%
XYZ	34.0427, 27.9876, 7.0919
YIQ	140.8480, 73.4050, -3.2270

Conversions

Conversions Part 2

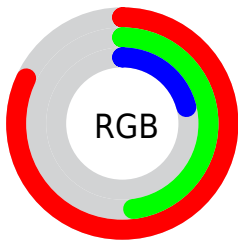
Format	Color
RYB	209, 178, 54
Decimal	13728566
CIELab	59.88, 28.03, 50.35
CIELCh	60, 57.628, 60.900
Yxy	27.9876, 0.4925, 0.4049
Android (android.graphics.Color)	4291918646 (0xFFD17B36)
YUV	140.8480, -42.8161, 59.7693
Hunter-Lab	52.9033, 22.2820, 29.0842

Details

The Yxy color **27.9876, 0.4925, 0.4049** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **24.1271, 0.2030, 0.2187**, and the grayscale version is **26.7220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3306, 0.4454, 0.4004**, and **11.1546, 0.5412, 0.4085** is the 20% darker color. If you saturate the color by 10%, you get **25.1253, 0.5208, 0.4051**, and if you desaturate by 10%, it is **31.2777, 0.4625, 0.3999**.

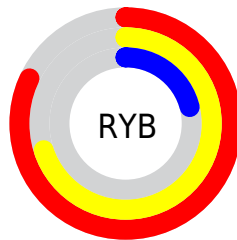
Distribution



Red (82%)

Green (48%)

Blue (21%)



Red (82%)

Yellow (70%)

Blue (21%)

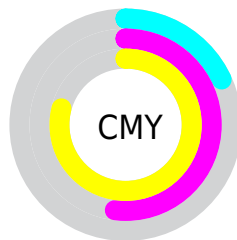


Cyan (0%)

Magenta (41%)

Yellow (74%)

Black (18%)



Cyan (18%)


Magenta (52%)

Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9876, 0.4925, 0.4049 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 27.9876, 0.4925, 0.4049 by changing the saturation by 10% instead.


 27.9876, 0.4925,
0.4049


 27.9876, 0.4925,
0.4049


292.4077, 0.3987,
0.3737


 18.3163, 0.5149,
0.4084


 56.4646, 0.4586,
0.3963

 11.1773, 0.5418,
0.4097


 76.0392, 0.4457,
0.3922

 6.1862, 0.5827,
0.4119

 99.6836, 0.4348,
0.3883

 2.9587, 0.6104,
0.3896

 127.7823, 0.4254,
0.3848

 1.1102, 0.6506,
0.3494

 160.7197, 0.4173,
0.3816

 0.0000, 1.0000,
0.0000

 198.8801, 0.4103,

 0.0000, 0.0000,

0.3787

0.0000

242.6479, 0.4041,
0.3761

■ 27.9876, 0.4925,
0.4049

■ 27.9876, 0.4925,
0.4049

■ 25.1253, 0.5208,
0.4051

■ 31.2777, 0.4625,
0.3999

■ 22.6629, 0.5454,
0.4000

■ 35.0121, 0.4327,
0.3915

■ 21.3988, 0.5580,
0.3952

■ 39.2113, 0.4047,
0.3808

■ 43.8929, 0.3791,
0.3689

■ 49.0737, 0.3564,
0.3568

■ 54.7692, 0.3365,
0.3449

■ 60.9943, 0.3192,
0.3335

■ 67.7634, 0.3043,
0.3229

■ 75.0900, 0.2914,
0.3131

Harmonies

Analogous

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



27.9876, 0.4908, 0.3385



27.9876, 0.4925, 0.4049



27.9876, 0.4418, 0.4687

Triad

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



27.9876, 0.4925, 0.4049



27.9876, 0.2011, 0.3784



27.9876, 0.2426, 0.1968

Complementary

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



27.9876, 0.4925, 0.4049



24.1271, 0.2030, 0.2187

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.



27.9876, 0.1839, 0.1918



27.9876, 0.4925, 0.4049



27.9876, 0.1620, 0.2786

Square

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



27.9876, 0.4925, 0.4049



27.9876, 0.2736, 0.4753



27.9876, 0.1573, 0.2165



27.9876, 0.3312, 0.2268

Rectangle

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



27.9876, 0.4925, 0.4049



27.9876, 0.3903, 0.4990



27.9876, 0.1573, 0.2165



27.9876, 0.2193, 0.1922

Sweetspot

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



27.9891, 0.4925, 0.4049



78.6286, 0.3524, 0.3545



18.1368, 0.4168, 0.2328



16.3266, 0.3582, 0.3578



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.



27.9891, 0.4925, 0.4049



37.0782, 0.5357, 0.4028



54.5139, 0.4174, 0.4810



12.6626, 0.3280, 0.3394



13.3840, 0.5556, 0.3971



0.9055, 0.5244, 0.4218

Inverse Universe

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



24.1271, 0.2030, 0.2187



30.5533, 0.1885, 0.1915



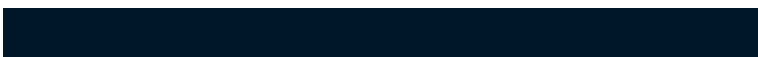
9.0861, 0.1745, 0.1066



12.4893, 0.2983, 0.3184



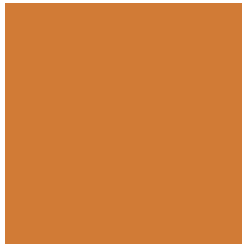
10.7275, 0.1826, 0.1775



0.7569, 0.1911, 0.2078

Previews

White Background



This preview shows how the Yxy color 27.9876, 0.4925, 0.4049 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 27.9876, 0.4925, 0.4049 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 27.9876, 0.4925, 0.4049

Background



This preview shows how black text looks on a background with the Yxy color 27.9876, 0.4925, 0.4049.



This preview shows how white text looks on a background with the Yxy color 27.9876, 0.4925, 0.4049.

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

27.9876, 0.4925, 0.4049

Protanopia

28.1541, 0.4125, 0.4530

Deuteranopia

27.9454, 0.4505, 0.4406



Tritanopia

28.0922, 0.4244, 0.3194

Trichromacy



Original Color

27.9876, 0.4925, 0.4049

Protanomaly

27.6618, 0.4414, 0.4350

Deuteranomaly

27.8179, 0.4663, 0.4276

Tritanomaly

28.0916, 0.4533, 0.3537

Monochromacy



Original Color

27.9876, 0.4925, 0.4049

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.2613, 0.3784, 0.3679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9876, 0.4925, 0.4049 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(209, 123, 54)` looks like.

```
.text, #text, p{  
    color:rgb(209, 123, 54)  
}
```

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(209, 123, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 123, 54) }
```

Border

The CSS property to change the border of an element to Yxy 27.9876, 0.4925, 0.4049 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(209, 123, 54) }
```

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

```
.border{ border-color:rgb(209, 123, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 123, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 123, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 123, 54);  
box-shadow:4px 4px 4px 4px rgb(209, 123,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9876, 0.4925, 0.4049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 123, 54) }
```

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

```
.background{ background-color: rgb(209,  
123, 54) }
```

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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