

Converting Colors

$Y_{xy}(29.2542, 0.4785, 0.3696)$

Have a look what the booklet for
Yxy(29.2542, 0.4785, 0.3696)
contains.

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Color

Yxy(29.2887, 0.4779, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	DC7854
RGB	220, 120, 84
RGB Percent	86%, 47%, 33%
CMY	0.1373, 0.5294, 0.6707
CMYK	0.00, 0.45, 0.62, 0.14
HSL	16°, 66%, 60%
HSV	16°, 62%, 86%
XYZ	37.8299, 29.2887, 12.0400
YIQ	145.7960, 71.1560, 10.0040

Conversions

Conversions Part 2

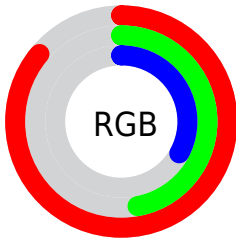
Format	Color
RYB	220, 133, 84
Decimal	14448724
CIELab	61.04, 35.74, 36.82
CIELCh	61, 51.318, 45.854
Yxy	29.2887, 0.4779, 0.3700
Android (android.graphics.Color)	4292638804 (0xFFDC7854)
YUV	145.7960, -30.4654, 65.0769
Hunter-Lab	54.1190, 30.0655, 24.6929

Details

The Yxy color **29.2887, 0.4779, 0.3700** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **41.3111, 0.2263, 0.2774**, and the grayscale version is **28.7622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2533, 0.4227, 0.3709**, and **11.8634, 0.5305, 0.3711** is the 20% darker color. If you saturate the color by 10%, you get **25.4311, 0.5167, 0.3721**, and if you desaturate by 10%, it is **33.9144, 0.4409, 0.3652**.

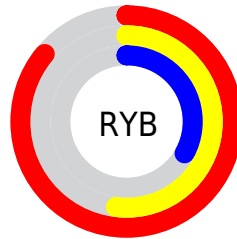
Distribution



Red (86%)

Green (47%)

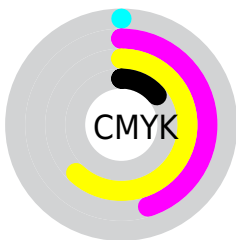
Blue (33%)



Red (86%)

Yellow (52%)

Blue (33%)

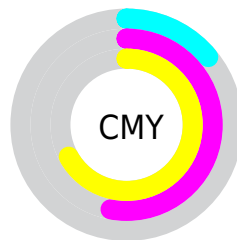


Cyan (0%)

Magenta (45%)

Yellow (62%)

Black (14%)



Cyan (14%)


Magenta (53%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2887, 0.4779, 0.3700 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 29.2887, 0.4779, 0.3700 by changing the saturation by 10% instead.

 29.2887, 0.4779,
0.3700


 29.2887, 0.4779,
0.3700


298.5747, 0.3896,
0.3544


 19.2993, 0.5008,
0.3713


 58.5355, 0.4449,
0.3660


 11.8868, 0.5300,
0.3711


 78.5616, 0.4328,
0.3640


 6.6666, 0.5679,
0.3671


 102.7022, 0.4226,
0.3621

 3.2545, 0.6354,
0.3646

 131.3416, 0.4139,
0.3603

 1.2660, 0.6796,
0.3204

 164.8641, 0.4065,
0.3586

 0.1146, 0.8962,
0.1038

203.6542, 0.4001,

 0.0000, 0.0000,

0.3571

0.0000

248.0963, 0.3945,
0.3557

■ 29.2887, 0.4779,
0.3700

■ 29.2887, 0.4779,
0.3700

■ 25.4311, 0.5167,
0.3721

■ 33.9144, 0.4409,
0.3652

■ 22.2935, 0.5541,
0.3703

■ 39.3435, 0.4075,
0.3587

■ 19.8290, 0.5860,
0.3641

■ 45.6143, 0.3784,
0.3515

■ 18.2707, 0.6062,
0.3568

■ 52.7615, 0.3537,
0.3441

■ 60.8177, 0.3330,
0.3369

■ 69.8136, 0.3156,
0.3302

■ 79.7787, 0.3010,
0.3239

■ 90.4172, 0.2915,
0.3232

■ 93.9549, 0.2917,
0.3289

Harmonies

Analogous

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



29.2887, 0.4474, 0.3106



29.2887, 0.4779, 0.3700



29.2887, 0.4562, 0.4295

Triad

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



29.2887, 0.4779, 0.3700



29.2887, 0.2441, 0.4180



29.2887, 0.2202, 0.2047

Complementary

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



29.2887, 0.4779, 0.3700



41.3111, 0.2263, 0.2774

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.



29.2887, 0.1811, 0.2139



29.2887, 0.4779, 0.3700



29.2887, 0.1918, 0.3270

Square

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



29.2887, 0.4779, 0.3700



29.2887, 0.3191, 0.4777



29.2887, 0.1712, 0.2535



29.2887, 0.2877, 0.2208

Rectangle

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



29.2887, 0.4779, 0.3700



29.2887, 0.4195, 0.4629



29.2887, 0.1712, 0.2535



29.2887, 0.2039, 0.2047

Sweetspot

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



29.2902, 0.4779, 0.3700



76.6088, 0.3478, 0.3421



25.0952, 0.3589, 0.2168



15.7325, 0.3542, 0.3442



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.



29.2902, 0.4779, 0.3700



34.2172, 0.5274, 0.3720



50.9674, 0.4221, 0.4421



13.6099, 0.3285, 0.3353



10.8797, 0.6036, 0.3589



0.8454, 0.5713, 0.3846

Inverse Universe

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



41.3111, 0.2263, 0.2774



52.0509, 0.2144, 0.2647



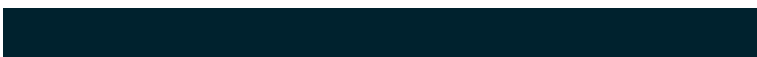
20.0013, 0.2032, 0.1764



14.2153, 0.2982, 0.3227



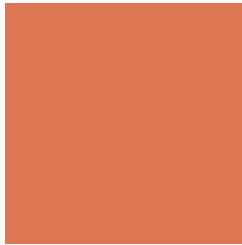
18.3287, 0.2003, 0.2411



1.3256, 0.2048, 0.2571

Previews

White Background



This preview shows how the Yxy color 29.2887, 0.4779, 0.3700 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 29.2887, 0.4779, 0.3700 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 29.2887, 0.4779, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 29.2887, 0.4779, 0.3700.



This preview shows how white text looks on a background with the Yxy color 29.2887, 0.4779, 0.3700.

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

29.2887, 0.4779, 0.3700

Protanopia

29.5650, 0.3807, 0.4122

Deuteranopia

29.4527, 0.4219, 0.4138



Tritanopia

29.2211, 0.4361, 0.3199

Trichromacy



Original Color

29.2887, 0.4779, 0.3700

Protanomaly

28.8602, 0.4155, 0.3968

Deuteranomaly

28.9712, 0.4434, 0.3968

Tritanomaly

29.1989, 0.4518, 0.3388

Monochromacy



Original Color

29.2887, 0.4779, 0.3700

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

28.2056, 0.3693, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2887, 0.4779, 0.3700 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(220, 120, 84)` looks like.

```
.text, #text, p{  
    color:rgb(220, 120, 84)  
}
```

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(220, 120, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 120, 84) }
```

Border

The CSS property to change the border of an element to Yxy 29.2887, 0.4779, 0.3700 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(220, 120, 84) }
```

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

```
.border{ border-color:rgb(220, 120, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 120, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 120, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 120, 84);  
box-shadow:4px 4px 4px 4px rgb(220, 120,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2887, 0.4779, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 120, 84) }
```

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

```
.background{ background-color: rgb(220,  
120, 84) }
```

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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