

Converting Colors

$Y_{xy}(28.8303, 0.4801, 0.3656)$

Have a look what the booklet for
Yxy(28.8303, 0.4801, 0.3656)
contains.

| | |
|---|----|
| Yxy(28.7506, 0.4804, 0.3652) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(28.7506, 0.4804, 0.3652)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | DD7555 |
| RGB | 221, 117, 85 |
| RGB Percent | 87%, 46%, 33% |
| CMY | 0.1333, 0.5411, 0.6666 |
| CMYK | 0.00, 0.47, 0.62, 0.13 |
| HSL | 14°, 67%, 60% |
| HSV | 14°, 62%, 87% |
| XYZ | 37.8198, 28.7506, 12.1552 |
| YIQ | 144.4480, 72.2560, 12.0960 |

Conversions

Conversions Part 2

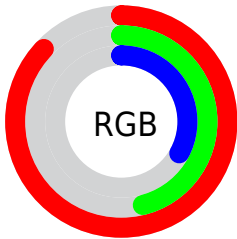
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 221, 127, 85 |
| Decimal | 14513493 |
| CIE Lab | 60.56, 37.76, 35.70 |
| CIE LCh | 61, 51.961, 43.398 |
| Yxy | 28.7506, 0.4804, 0.3652 |
| Android (android.graphics.Color) | 4292703573 (0xFFDD7555) |
| YUV | 144.4480, -29.3079, 67.1361 |
| Hunter-Lab | 53.6196, 32.0681, 24.0930 |

Details

The Yxy color **28.7506, 0.4804, 0.3652** 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 **43.5536, 0.2280, 0.2837**, and the grayscale version is **28.1808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.1351, 0.4234, 0.3668**, and **11.6134, 0.5347, 0.3653** is the 20% darker color. If you saturate the color by 10%, you get **24.8643, 0.5205, 0.3669**, and if you desaturate by 10%, it is **33.4607, 0.4422, 0.3610**.

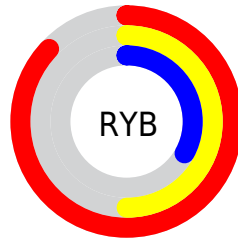
Distribution



Red (87%)

Green (46%)

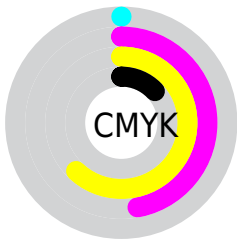
Blue (33%)



Red (87%)

Yellow (50%)

Blue (33%)

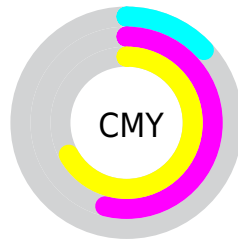


Cyan (0%)

Magenta (47%)

Yellow (62%)

Black (13%)



Cyan (13%)


Magenta (54%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7506, 0.4804, 0.3652 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 28.7506, 0.4804, 0.3652 by changing the saturation by 10% instead.


 28.7506, 0.4804,
0.3652


 28.7506, 0.4804,
0.3652


296.0364, 0.3904,
0.3522

 18.8922, 0.5039,
0.3659


 57.6806, 0.4467,
0.3622

 11.5924, 0.5340,
0.3648


 77.5210, 0.4342,
0.3605


 6.4668, 0.5733,
0.3596


 101.4576, 0.4239,
0.3588

 3.1310, 0.6442,
0.3558

 129.8747, 0.4151,
0.3573

 1.2005, 0.6909,
0.3091

 163.1567, 0.4076,
0.3558

 0.0621, 0.9409,
0.0591

201.6881, 0.4011,

 0.0000, 0.0000,

0.3545

0.0000

245.8532, 0.3954,
0.3533

■ 28.7506, 0.4804,
0.3652

■ 28.7506, 0.4804,
0.3652

■ 24.8643, 0.5205,
0.3669

■ 33.4607, 0.4422,
0.3610

■ 21.7483, 0.5592,
0.3649

■ 39.0347, 0.4080,
0.3552

■ 19.3496, 0.5918,
0.3590

■ 45.5153, 0.3784,
0.3488

■ 17.8260, 0.6126,
0.3518

■ 52.9413, 0.3534,
0.3422

■ 61.3489, 0.3325,
0.3359

■ 70.7725, 0.3151,
0.3299

■ 81.2448, 0.3006,
0.3244

■ 92.3498, 0.2922,
0.3261

■ 94.1116, 0.2923,
0.3289

Harmonies

Analogous

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



28.7506, 0.4451, 0.3054



28.7506, 0.4804, 0.3652



28.7506, 0.4620, 0.4260

Triad

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



28.7506, 0.4804, 0.3652



28.7506, 0.2483, 0.4268



28.7506, 0.2143, 0.2025

Complementary

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



28.7506, 0.4804, 0.3652



43.5536, 0.2280, 0.2837

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.



28.7506, 0.1772, 0.2140



28.7506, 0.4804, 0.3652



28.7506, 0.1929, 0.3342

Square

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



28.7506, 0.4804, 0.3652



28.7506, 0.3256, 0.4830



28.7506, 0.1696, 0.2569



28.7506, 0.2806, 0.2170

Rectangle

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



28.7506, 0.4804, 0.3652



28.7506, 0.4263, 0.4613



28.7506, 0.1696, 0.2569



28.7506, 0.1986, 0.2032

Sweetspot

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



28.7521, 0.4804, 0.3652



77.0005, 0.3459, 0.3400



25.5582, 0.3558, 0.2151



15.7779, 0.3524, 0.3419



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.



28.7521, 0.4804, 0.3652



32.9573, 0.5327, 0.3667



50.6159, 0.4233, 0.4395



13.5462, 0.3286, 0.3346



10.5011, 0.6101, 0.3538



0.8132, 0.5780, 0.3792

Inverse Universe

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



43.5536, 0.2280, 0.2837



54.7859, 0.2163, 0.2723



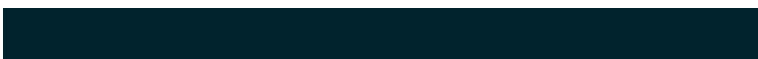
20.8965, 0.2045, 0.1805



14.2833, 0.2982, 0.3234



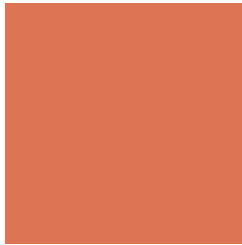
19.7020, 0.2032, 0.2516



1.4046, 0.2071, 0.2656

Previews

White Background



This preview shows how the Yxy color 28.7506, 0.4804, 0.3652 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 28.7506, 0.4804, 0.3652 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 28.7506, 0.4804, 0.3652

Background



This preview shows how black text looks on a background with the Yxy color 28.7506, 0.4804, 0.3652.



This preview shows how white text looks on a background with the Yxy color 28.7506, 0.4804, 0.3652.

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

28.7506, 0.4804, 0.3652

Protanopia

28.7732, 0.3776, 0.4071

Deuteranopia

28.9191, 0.4205, 0.4134



Tritanopia

28.6324, 0.4429, 0.3201

Trichromacy



Original Color

28.7506, 0.4804, 0.3652

Protanomaly

28.0457, 0.4157, 0.3901

Deuteranomaly

28.5811, 0.4422, 0.3947

Tritanomaly

28.6258, 0.4574, 0.3375

Monochromacy



Original Color

28.7506, 0.4804, 0.3652

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.2509, 0.3693, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7506, 0.4804, 0.3652 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(221, 117, 85)` looks like.

```
.text, #text, p{  
    color:rgb(221, 117, 85)  
}
```

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(221, 117, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 117, 85) }
```

Border

The CSS property to change the border of an element to Yxy 28.7506, 0.4804, 0.3652 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(221, 117, 85) }
```

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

```
.border{ border-color:rgb(221, 117, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 117, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 117, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 117, 85);  
box-shadow:4px 4px 4px 4px rgb(221, 117,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7506, 0.4804, 0.3652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 117, 85) }
```

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

```
.background{ background-color: rgb(221,  
117, 85) }
```

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