

Converting Colors

$Y_{xy}(28.1754, 0.4816, 0.3666)$

Have a look what the booklet for
Yxy(28.1754, 0.4816, 0.3666)
contains.

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Color

Yxy(28.1754, 0.4816, 0.3666)

Conversions

Conversions Part 1

Format	Color
Hex	DB7453
RGB	219, 116, 83
RGB Percent	86%, 45%, 33%
CMY	0.1413, 0.5450, 0.6746
CMYK	0.00, 0.47, 0.62, 0.14
HSL	15°, 65%, 59%
HSV	15°, 62%, 86%
XYZ	37.0138, 28.1754, 11.6667
YIQ	143.0350, 71.9810, 11.5730

Conversions

Conversions Part 2

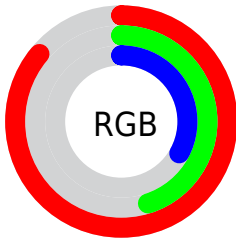
Format	Color
R_{YB}	219, 127, 83
Decimal	14382163
CIE Lab	60.05, 37.34, 36.12
CIE LCh	60, 51.952, 44.050
Yxy	28.1754, 0.4816, 0.3666
Android (android.graphics.Color)	4292572243 (0xFFDB7453)
YUV	143.0350, -29.5973, 66.6213
Hunter-Lab	53.0805, 31.5799, 24.1248

Details

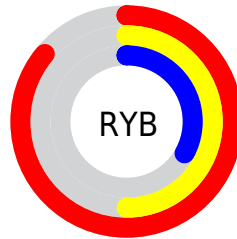
The Yxy color **28.1754, 0.4816, 0.3666** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **42.0388, 0.2271, 0.2817**, and the grayscale version is **27.5833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7029, 0.4258, 0.3678**, and **11.2851, 0.5353, 0.3656** is the 20% darker color. If you saturate the color by 10%, you get **24.4028, 0.5214, 0.3682**, and if you desaturate by 10%, it is **32.7397, 0.4436, 0.3623**.

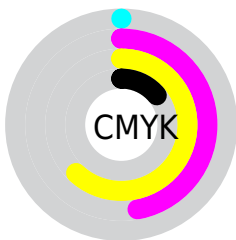
Distribution



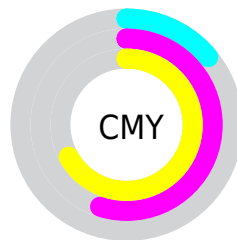
- Red (86%)
- Green (45%)
- Blue (33%)



- Red (86%)
- Yellow (50%)
- Blue (33%)



- Cyan (0%)
- Magenta (47%)
- Yellow (62%)
- Black (14%)





- Cyan (14%)
- Magenta (55%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1754, 0.4816, 0.3666 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 28.1754, 0.4816, 0.3666 by changing the saturation by 10% instead.


 28.1754, 0.4816,
0.3666


 28.1754, 0.4816,
0.3666


293.3041, 0.3907,
0.3529


 18.4579, 0.5053,
0.3673


 56.7644, 0.4475,
0.3634


 11.2792, 0.5358,
0.3663


 76.4046, 0.4350,
0.3616


 6.2550, 0.5754,
0.3610


 100.1213, 0.4245,
0.3599

 3.0007, 0.6446,
0.3554

 128.2987, 0.4156,
0.3582

 1.1321, 0.6922,
0.3078

 161.3213, 0.4081,
0.3567

 0.0052, 0.9944,
0.0056

199.5735, 0.4015,

 0.0000, 0.0000,

0.3554

0.0000

243.4396, 0.3958,
0.3541

■ 28.1754, 0.4816,
0.3666

■ 28.1754, 0.4816,
0.3666

■ 24.4028, 0.5214,
0.3682

■ 32.7397, 0.4436,
0.3623

■ 21.3708, 0.5595,
0.3661

■ 38.1338, 0.4094,
0.3564

■ 19.0285, 0.5915,
0.3599

■ 44.3989, 0.3797,
0.3498

■ 17.6214, 0.6109,
0.3531

■ 51.5717, 0.3546,
0.3430

■ 59.6869, 0.3336,
0.3364

■ 68.7776, 0.3160,
0.3302

■ 78.8748, 0.3014,
0.3245

■ 89.8033, 0.2909,
0.3225

■ 93.7961, 0.2911,
0.3289

Harmonies

Analogous

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



28.1754, 0.4473, 0.3064



28.1754, 0.4816, 0.3666



28.1754, 0.4619, 0.4276

Triad

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



28.1754, 0.4816, 0.3666



28.1754, 0.2464, 0.4257



28.1754, 0.2149, 0.2019

Complementary

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



28.1754, 0.4816, 0.3666



42.0388, 0.2271, 0.2817

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.



28.1754, 0.1770, 0.2128



28.1754, 0.4816, 0.3666



28.1754, 0.1913, 0.3322

Square

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



28.1754, 0.4816, 0.3666



28.1754, 0.3238, 0.4836



28.1754, 0.1687, 0.2551



28.1754, 0.2821, 0.2169

Rectangle

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



28.1754, 0.4816, 0.3666



28.1754, 0.4255, 0.4630



28.1754, 0.1687, 0.2551



28.1754, 0.1989, 0.2024

Sweetspot

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



28.1769, 0.4816, 0.3666



76.0535, 0.3480, 0.3411



24.8377, 0.3563, 0.2143



15.6002, 0.3545, 0.3430



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.



28.1769, 0.4816, 0.3666



32.8273, 0.5353, 0.3679



49.4273, 0.4243, 0.4402



13.5628, 0.3286, 0.3347



10.5954, 0.6084, 0.3551



0.8214, 0.5763, 0.3806

Inverse Universe

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



42.0388, 0.2271, 0.2817



53.6710, 0.2150, 0.2694



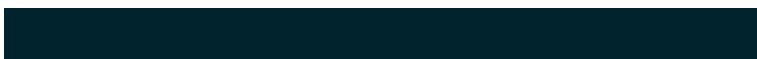
20.2031, 0.2036, 0.1790



14.2655, 0.2982, 0.3232



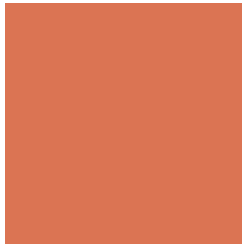
19.3365, 0.2025, 0.2488



1.3837, 0.2065, 0.2634

Previews

White Background



This preview shows how the Yxy color 28.1754, 0.4816, 0.3666 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 28.1754, 0.4816, 0.3666 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 28.1754, 0.4816, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 28.1754, 0.4816, 0.3666.



This preview shows how white text looks on a background with the Yxy color 28.1754, 0.4816, 0.3666.

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

28.1754, 0.4816, 0.3666

Protanopia

28.3281, 0.3790, 0.4091

Deuteranopia

28.1920, 0.4230, 0.4137



Tritanopia

28.0729, 0.4426, 0.3200

Trichromacy



Original Color

28.1754, 0.4816, 0.3666

Protanomaly

27.4917, 0.4163, 0.3920

Deuteranomaly

27.8819, 0.4450, 0.3948

Tritanomaly

28.0665, 0.4573, 0.3376

Monochromacy



Original Color

28.1754, 0.4816, 0.3666

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

26.8135, 0.3709, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1754, 0.4816, 0.3666 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(219, 116, 83)` looks like.

```
.text, #text, p{  
    color:rgb(219, 116, 83)  
}
```

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(219, 116, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 116, 83) }
```

Border

The CSS property to change the border of an element to Yxy 28.1754, 0.4816, 0.3666 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(219, 116, 83) }
```

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

```
.border{ border-color:rgb(219, 116, 83) }
```

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

Here you see how a box with a 4 pixel rgb(219, 116, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 116, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 116, 83);  
box-shadow:4px 4px 4px 4px rgb(219, 116,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1754, 0.4816, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 116, 83) }
```

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

```
.background{ background-color: rgb(219,  
116, 83) }
```

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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