

Converting Colors

$Y_{xy}(27.7797, 0.4548, 0.3775)$

Have a look what the booklet for
Yxy(27.7797, 0.4548, 0.3775)
contains.

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Color

Yxy(27.7837, 0.4548, 0.3770)

Conversions

Conversions Part 1

Format	Color
Hex	CB7C56
RGB	203, 124, 86
RGB Percent	80%, 49%, 34%
CMY	0.2039, 0.5137, 0.6628
CMYK	0.00, 0.39, 0.58, 0.20
HSL	19°, 53%, 57%
HSV	19°, 58%, 80%
XYZ	33.5173, 27.7837, 12.3958
YIQ	143.2890, 59.2820, 4.9300

Conversions

Conversions Part 2

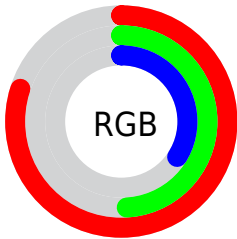
Format	Color
R_{YB}	203, 142, 86
Decimal	13335638
CIE _{Lab}	59.69, 26.99, 33.57
CIE _{LCh}	60, 43.074, 51.207
Yxy	27.7837, 0.4548, 0.3770
Android (android.graphics.Color)	4291525718 (0xFFCB7C56)
YUV	143.2890, -28.2435, 52.3665
Hunter-Lab	52.7102, 21.2614, 22.9540

Details

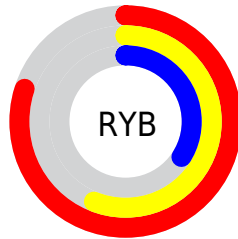
The Yxy color **27.7837, 0.4548, 0.3770** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **33.1957, 0.2288, 0.2705**, and the grayscale version is **27.6872, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4819, 0.4193, 0.3720**, and **11.0638, 0.5024, 0.3835** is the 20% darker color. If you saturate the color by 10%, you get **24.3033, 0.4903, 0.3817**, and if you desaturate by 10%, it is **31.8373, 0.4216, 0.3699**.

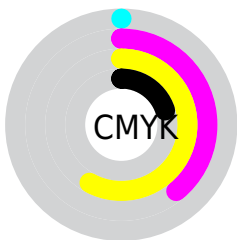
Distribution



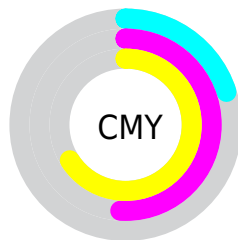
- Red (80%)
- Green (49%)
- Blue (34%)



- Red (80%)
- Yellow (56%)
- Blue (34%)



- Cyan (0%)
- Magenta (39%)
- Yellow (58%)
- Black (20%)



- Cyan (20%)
- Magenta (51%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7837, 0.4548, 0.3770 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 27.7837, 0.4548, 0.3770 by changing the saturation by 10% instead.

 27.7837, 0.4548,
0.3770

 27.7837, 0.4548,
0.3770


291.4319, 0.3780,
0.3558

 18.1627, 0.4752,
0.3805


 56.1389, 0.4258,
0.3704


 11.0668, 0.5017,
0.3834


 75.6419, 0.4152,
0.3676

 6.1118, 0.5368,
0.3842

 99.2077, 0.4064,
0.3650

 2.9132, 0.6047,
0.3918

 127.2206, 0.3989,
0.3627

 1.0866, 0.6464,
0.3536

 160.0651, 0.3925,
0.3607

 0.0000, 1.0000,
0.0000

198.1255, 0.3870,

 0.0000, 0.0000,

0.3589

0.0000

241.7864, 0.3822,
0.3573

■ 27.7837, 0.4548,
0.3770

■ 27.7837, 0.4548,
0.3770

■ 24.3033, 0.4903,
0.3817

■ 31.8373, 0.4216,
0.3699

■ 21.3642, 0.5259,
0.3828

■ 36.4855, 0.3920,
0.3614

■ 18.9374, 0.5585,
0.3792

■ 41.7535, 0.3661,
0.3525

■ 16.9867, 0.5852,
0.3710

■ 47.6640, 0.3440,
0.3436

■ 16.5891, 0.5910,
0.3689

■ 54.2383, 0.3251,
0.3351

■ 61.4968, 0.3092,
0.3272

■ 69.4587, 0.2957,
0.3198

■ 78.1429, 0.2843,
0.3131

■ 86.6538, 0.2816,
0.3209

Harmonies

Analogous

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



27.7837, 0.4357, 0.3236



27.7837, 0.4548, 0.3770



27.7837, 0.4309, 0.4269

Triad

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



27.7837, 0.4548, 0.3770



27.7837, 0.2444, 0.3911



27.7837, 0.2414, 0.2208

Complementary

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



27.7837, 0.4548, 0.3770



33.1957, 0.2288, 0.2705

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.



27.7837, 0.2017, 0.2255



27.7837, 0.4548, 0.3770



27.7837, 0.2023, 0.3156

Square

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



27.7837, 0.4548, 0.3770



27.7837, 0.3078, 0.4485



27.7837, 0.1882, 0.2566



27.7837, 0.3044, 0.2387

Rectangle

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



27.7837, 0.4548, 0.3770



27.7837, 0.3968, 0.4513



27.7837, 0.1882, 0.2566



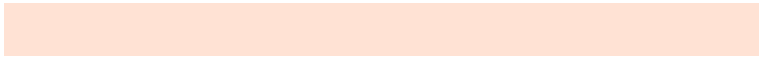
27.7837, 0.2253, 0.2197

Sweetspot

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



27.7851, 0.4548, 0.3770



80.2439, 0.3431, 0.3433



22.1016, 0.3651, 0.2316



16.7232, 0.3473, 0.3450



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.



27.7851, 0.4548, 0.3770



39.4940, 0.4984, 0.3823



46.6430, 0.4085, 0.4437



11.7989, 0.3282, 0.3366



10.7044, 0.5885, 0.3709



0.6903, 0.5499, 0.4016

Inverse Universe

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



33.1957, 0.2288, 0.2705



49.1976, 0.2152, 0.2555



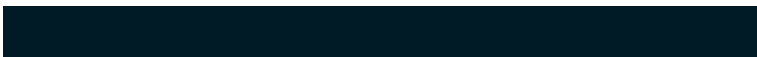
16.8961, 0.2085, 0.1769



12.0887, 0.2983, 0.3213



14.3102, 0.1945, 0.2201



0.8725, 0.2011, 0.2439

Previews

White Background



This preview shows how the Yxy color 27.7837, 0.4548, 0.3770 looks on a white background.

Color Contrast Check

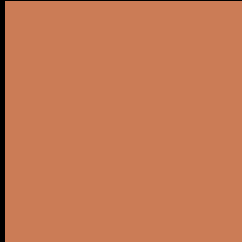
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7837, 0.4548, 0.3770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

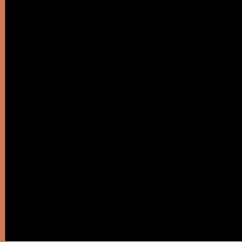
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.7837, 0.4548, 0.3770

Background



This preview shows how black text looks on a background with the Yxy color 27.7837, 0.4548, 0.3770.



This preview shows how white text looks on a background with the Yxy color 27.7837, 0.4548, 0.3770.

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

27.7837, 0.4548, 0.3770

Protanopia

27.9228, 0.3784, 0.4080

Deuteranopia

28.0316, 0.4158, 0.4082



Tritanopia

27.8478, 0.4110, 0.3190

Trichromacy



Original Color

27.7837, 0.4548, 0.3770

Protanomaly

27.6453, 0.4060, 0.3968

Deuteranomaly

27.8543, 0.4304, 0.3964

Tritanomaly

27.8237, 0.4281, 0.3409

Monochromacy



Original Color

27.7837, 0.4548, 0.3770

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.0128, 0.3615, 0.3508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7837, 0.4548, 0.3770 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(203, 124, 86)` looks like.

```
.text, #text, p{  
    color:rgb(203, 124, 86)  
}
```

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(203, 124, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 124, 86) }
```

Border

The CSS property to change the border of an element to Yxy 27.7837, 0.4548, 0.3770 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(203, 124, 86) }
```

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

```
.border{ border-color:rgb(203, 124, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 124, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 124, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 124, 86);  
box-shadow:4px 4px 4px 4px rgb(203, 124,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7837, 0.4548, 0.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 124, 86) }
```

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

```
.background{ background-color: rgb(203,  
124, 86) }
```

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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