

Converting Colors

$Y_{xy}(28.0554, 0.4557, 0.3776)$

Have a look what the booklet for
Yxy(28.0554, 0.4557, 0.3776)
contains.

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Color

Yxy(28.1765, 0.4550, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	CC7D56
RGB	204, 125, 86
RGB Percent	80%, 49%, 34%
CMY	0.2000, 0.5098, 0.6629
CMYK	0.00, 0.39, 0.58, 0.20
HSL	20°, 54%, 57%
HSV	20°, 58%, 80%
XYZ	33.9162, 28.1765, 12.4483
YIQ	144.1750, 59.6030, 4.6190

Conversions

Conversions Part 2

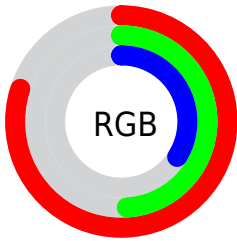
Format	Color
R_{YB}	204, 144, 86
Decimal	13401430
CIE Lab	60.05, 26.85, 34.05
CIE LCh	60, 43.362, 51.739
Yxy	28.1765, 0.4550, 0.3780
Android (android.graphics.Color)	4291591510 (0xFFCC7D56)
YUV	144.1750, -28.6803, 52.4665
Hunter-Lab	53.0815, 21.1589, 23.2528

Details

The Yxy color **28.1765, 0.4550, 0.3780** 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 **33.2388, 0.2282, 0.2692**, and the grayscale version is **28.0638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.8784, 0.4187, 0.3730**, and **11.2896, 0.5021, 0.3847** is the 20% darker color. If you saturate the color by 10%, you get **24.6719, 0.4902, 0.3828**, and if you desaturate by 10%, it is **32.2532, 0.4220, 0.3708**.

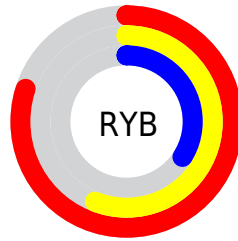
Distribution



Red (80%)

Green (49%)

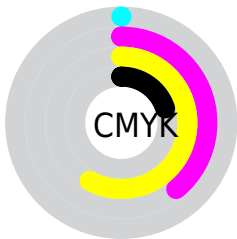
Blue (34%)



Red (80%)

Yellow (56%)

Blue (34%)

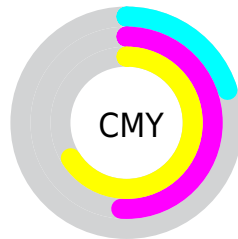


Cyan (0%)

Magenta (39%)

Yellow (58%)

Black (20%)



Cyan (20%)


Magenta (51%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1765, 0.4550, 0.3780 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 28.1765, 0.4550, 0.3780 by changing the saturation by 10% instead.


 28.1765, 0.4550,
0.3780


 28.1765, 0.4550,
0.3780


293.3093, 0.3783,
0.3564


 18.4588, 0.4753,
0.3816


 56.7661, 0.4261,
0.3713

 11.2798, 0.5016,
0.3847


 76.4068, 0.4155,
0.3684


 6.2554, 0.5362,
0.3856


 100.1238, 0.4067,
0.3658

 3.0010, 0.6024,
0.3929

 128.3017, 0.3992,
0.3634

 1.1322, 0.6439,
0.3561

 161.3248, 0.3928,
0.3614

 0.0053, 0.9920,
0.0080

199.5775, 0.3873,

 0.0000, 0.0000,

0.3595

0.0000

243.4442, 0.3825,
0.3578

■ 28.1765, 0.4550,
0.3780

■ 28.1765, 0.4550,
0.3780

■ 24.6719, 0.4902,
0.3828

■ 32.2532, 0.4220,
0.3708

■ 21.7074, 0.5256,
0.3839

■ 36.9230, 0.3924,
0.3622

■ 19.2544, 0.5579,
0.3802

■ 42.2111, 0.3665,
0.3531

■ 17.2767, 0.5844,
0.3720

■ 48.1400, 0.3444,
0.3441

■ 16.9081, 0.5896,
0.3701

■ 54.7307, 0.3255,
0.3354

■ 62.0037, 0.3095,
0.3273

■ 69.9780, 0.2960,
0.3198

■ 78.6723, 0.2845,
0.3130

■ 87.1295, 0.2822,
0.3215

Harmonies

Analogous

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



28.1765, 0.4367, 0.3245



28.1765, 0.4550, 0.3780



28.1765, 0.4303, 0.4279

Triad

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



28.1765, 0.4550, 0.3780



28.1765, 0.2433, 0.3899



28.1765, 0.2422, 0.2208

Complementary

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



28.1765, 0.4550, 0.3780



33.2388, 0.2282, 0.2692

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.



28.1765, 0.2019, 0.2251



28.1765, 0.4550, 0.3780



28.1765, 0.2016, 0.3143

Square

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



28.1765, 0.4550, 0.3780



28.1765, 0.3065, 0.4481



28.1765, 0.1880, 0.2556



28.1765, 0.3057, 0.2391

Rectangle

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



28.1765, 0.4550, 0.3780



28.1765, 0.3958, 0.4520



28.1765, 0.1880, 0.2556



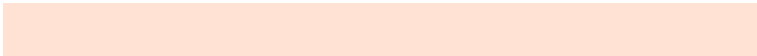
28.1765, 0.2260, 0.2195

Sweetspot

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



28.1779, 0.4550, 0.3780



80.3803, 0.3431, 0.3435



22.2657, 0.3654, 0.2313



16.7552, 0.3472, 0.3453



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.



28.1779, 0.4550, 0.3780



39.7828, 0.4975, 0.3833



47.1172, 0.4089, 0.4440



11.8096, 0.3282, 0.3367



10.7943, 0.5870, 0.3721



0.6958, 0.5486, 0.4026

Inverse Universe

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



33.2388, 0.2282, 0.2692



48.7341, 0.2148, 0.2541



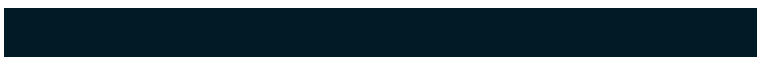
16.9801, 0.2081, 0.1762



12.0775, 0.2983, 0.3212



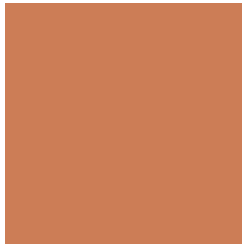
14.0999, 0.1939, 0.2181



0.8628, 0.2006, 0.2423

Previews

White Background



This preview shows how the Yxy color 28.1765, 0.4550, 0.3780 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 28.1765, 0.4550, 0.3780 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 28.1765, 0.4550, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 28.1765, 0.4550, 0.3780.



This preview shows how white text looks on a background with the Yxy color 28.1765, 0.4550, 0.3780.

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

28.1765, 0.4550, 0.3780

Protanopia

28.3281, 0.3790, 0.4091

Deuteranopia

28.1486, 0.4169, 0.4078



Tritanopia

28.2569, 0.4104, 0.3191

Trichromacy



Original Color

28.1765, 0.4550, 0.3780

Protanomaly

28.0462, 0.4065, 0.3978

Deuteranomaly

27.9799, 0.4315, 0.3961

Tritanomaly

28.2331, 0.4273, 0.3408

Monochromacy



Original Color

28.1765, 0.4550, 0.3780

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.4284, 0.3611, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1765, 0.4550, 0.3780 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(204, 125, 86)` looks like.

```
.text, #text, p{  
    color:rgb(204, 125, 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(204, 125, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 125, 86) }
```

Border

The CSS property to change the border of an element to Yxy 28.1765, 0.4550, 0.3780 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(204, 125, 86) }
```

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

```
.border{ border-color:rgb(204, 125, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 125, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 125, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 125, 86);  
box-shadow:4px 4px 4px 4px rgb(204, 125,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1765, 0.4550, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 125, 86) }
```

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

```
.background{ background-color: rgb(204,  
125, 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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