

Converting Colors

$Yxy(37.5555, 0.4467, 0.4060)$

Have a look what the booklet for
Yxy(37.5555, 0.4467, 0.4060)
contains.

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Color

Yxy(37.5408, 0.4466, 0.4057)

Conversions

Conversions Part 1

Format	Color
Hex	D99755
RGB	217, 151, 85
RGB Percent	85%, 59%, 33%
CMY	0.1490, 0.4079, 0.6666
CMYK	0.00, 0.30, 0.61, 0.15
HSL	30°, 63%, 59%
HSV	30°, 61%, 85%
XYZ	41.3254, 37.5408, 13.6672
YIQ	163.2100, 60.5220, -6.5340

Conversions

Conversions Part 2

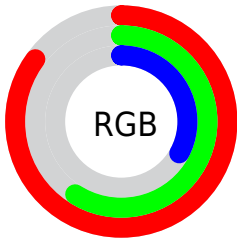
Format	Color
R _Y B	217, 217, 85
Decimal	14260053
CIE Lab	67.68, 18.09, 44.14
CIE LCh	68, 47.703, 67.708
Yxy	37.5408, 0.4466, 0.4057
Android (android.graphics.Color)	4292450133 (0xFFD99755)
YUV	163.2100, -38.5575, 47.1738
Hunter-Lab	61.2705, 13.1702, 29.6640

Details

The Yxy color **37.5408, 0.4466, 0.4057** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **29.0893, 0.2166, 0.2304**, and the grayscale version is **36.8968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7002, 0.4047, 0.3998**, and **16.5108, 0.4823, 0.4197** is the 20% darker color. If you saturate the color by 10%, you get **33.9146, 0.4742, 0.4132**, and if you desaturate by 10%, it is **41.5982, 0.4194, 0.3951**.

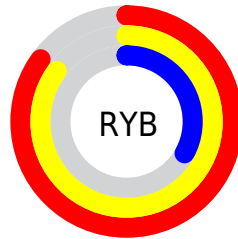
Distribution



Red (85%)

Green (59%)

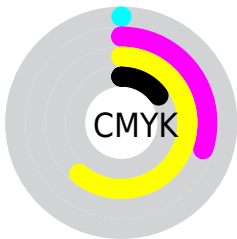
Blue (33%)



Red (85%)

Yellow (85%)

Blue (33%)

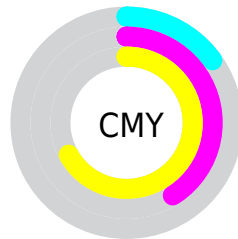


Cyan (0%)

Magenta (30%)

Yellow (61%)

Black (15%)



Cyan (15%)


Magenta (41%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5408, 0.4466, 0.4057 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 37.5408, 0.4466, 0.4057 by changing the saturation by 10% instead.


 37.5408, 0.4466,
0.4057


 37.5408, 0.4466,
0.4057


335.6460, 0.3787,
0.3709

 25.6265, 0.4628,
0.4124


 71.4038, 0.4222,
0.3944


 16.5444, 0.4829,
0.4195


 94.1212, 0.4130,
0.3897


 9.9102, 0.5076,
0.4260


 121.2085, 0.4051,
0.3856

 5.3395, 0.5445,
0.4350

 153.0499, 0.3983,
0.3819

 2.4478, 0.5748,
0.4252

 190.0300, 0.3924,
0.3787

 0.8503, 0.6081,
0.3919

232.5332, 0.3873,

 0.0000, 1.0000,

0.3758

0.0000

280.9437, 0.3828,
0.3732

■ 0.0000, 0.0000,
0.0000

■ 37.5408, 0.4466,
0.4057

■ 37.5408, 0.4466,
0.4057

■ 33.9146, 0.4742,
0.4132

■ 41.5982, 0.4194,
0.3951

■ 30.6952, 0.5006,
0.4162

■ 46.0983, 0.3936,
0.3826

■ 27.8637, 0.5240,
0.4139

■ 51.0587, 0.3701,
0.3692

■ 25.5787, 0.5423,
0.4076

■ 56.4943, 0.3490,
0.3556

■ 62.4193, 0.3303,
0.3425

■ 68.8470, 0.3140,
0.3300

■ 75.7902, 0.2997,
0.3183

■ 83.0248, 0.2894,
0.3112

■ 89.5310, 0.2898,
0.3225

Harmonies

Analogous

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



37.5408, 0.4521, 0.3529



37.5408, 0.4466, 0.4057



37.5408, 0.4036, 0.4481

Triad

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



37.5408, 0.4466, 0.4057



37.5408, 0.2178, 0.3492



37.5408, 0.2736, 0.2280

Complementary

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



37.5408, 0.4466, 0.4057



29.0893, 0.2166, 0.2304

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.



37.5408, 0.2202, 0.2198



37.5408, 0.4466, 0.4057



37.5408, 0.1909, 0.2798

Square

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



37.5408, 0.4466, 0.4057



37.5408, 0.2710, 0.4218



37.5408, 0.1921, 0.2359



37.5408, 0.3449, 0.2567

Rectangle

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



37.5408, 0.4466, 0.4057



37.5408, 0.3619, 0.4606



37.5408, 0.1921, 0.2359



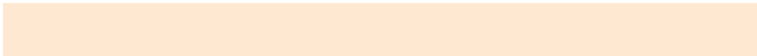
37.5408, 0.2532, 0.2228

Sweetspot

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



37.5427, 0.4466, 0.4057



83.6056, 0.3438, 0.3521



23.5619, 0.4004, 0.2507



17.3755, 0.3495, 0.3560



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.



37.5427, 0.4466, 0.4057



47.4915, 0.4819, 0.4145



63.9162, 0.3994, 0.4683



14.1215, 0.3279, 0.3407



15.6933, 0.5401, 0.4094



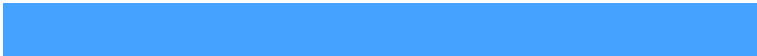
1.1890, 0.5152, 0.4291

Inverse Universe

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



29.0893, 0.2166, 0.2304



34.3046, 0.1998, 0.2052



13.7958, 0.1955, 0.1369



13.6879, 0.2982, 0.3170



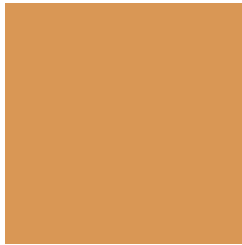
9.8051, 0.1774, 0.1586



0.8076, 0.1856, 0.1881

Previews

White Background



This preview shows how the Yxy color 37.5408, 0.4466, 0.4057 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 37.5408, 0.4466, 0.4057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

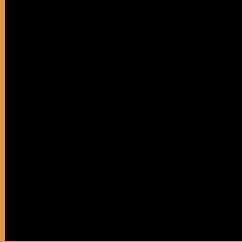
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5408, 0.4466, 0.4057

Background



This preview shows how black text looks on a background with the Yxy color 37.5408, 0.4466, 0.4057.



This preview shows how white text looks on a background with the Yxy color 37.5408, 0.4466, 0.4057.

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

37.5408, 0.4466, 0.4057

Protanopia

37.5935, 0.3963, 0.4307

Deuteranopia

37.4505, 0.4286, 0.4192



Tritanopia

37.5076, 0.3857, 0.3160

Trichromacy



Original Color

37.5408, 0.4466, 0.4057

Protanomaly

37.4483, 0.4148, 0.4217

Deuteranomaly

37.4927, 0.4352, 0.4148

Tritanomaly

37.3584, 0.4097, 0.3498

Monochromacy



Original Color

37.5408, 0.4466, 0.4057

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.6128, 0.3594, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5408, 0.4466, 0.4057 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(217, 151, 85)` looks like.

```
.text, #text, p{  
    color:rgb(217, 151, 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(217, 151, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 151, 85) }
```

Border

The CSS property to change the border of an element to Yxy 37.5408, 0.4466, 0.4057 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(217, 151, 85) }
```

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

```
.border{ border-color:rgb(217, 151, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 151, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 151, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 151, 85);  
box-shadow:4px 4px 4px 4px rgb(217, 151,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5408, 0.4466, 0.4057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 151, 85) }
```

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

```
.background{ background-color: rgb(217,  
151, 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](#).

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