

Converting Colors

$Y_{xy}(34.2900, 0.4473, 0.3888)$

Have a look what the booklet for
Yxy(34.2900, 0.4473, 0.3888)
contains.

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Color

Yxy(34.2522, 0.4475, 0.3887)

Conversions

Conversions Part 1

Format	Color
Hex	D78D5B
RGB	215, 141, 91
RGB Percent	84%, 55%, 36%
CMY	0.1569, 0.4470, 0.6431
CMYK	0.00, 0.34, 0.58, 0.16
HSL	24°, 61%, 60%
HSV	24°, 58%, 84%
XYZ	39.4336, 34.2522, 14.4340
YIQ	157.4260, 60.1540, 0.1380

Conversions

Conversions Part 2

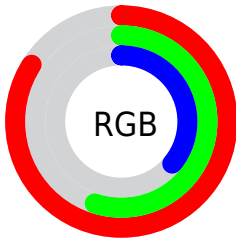
Format	Color
R_{YB}	215, 175, 91
Decimal	14126427
CIE Lab	65.16, 23.08, 37.96
CIE LCh	65, 44.423, 58.698
Yxy	34.2522, 0.4475, 0.3887
Android (android.graphics.Color)	4292316507 (0xFFD78D5B)
YUV	157.4260, -32.7480, 50.4924
Hunter-Lab	58.5254, 17.8516, 26.3452

Details

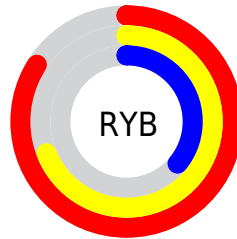
The Yxy color **34.2522, 0.4475, 0.3887** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **34.0336, 0.2252, 0.2553**, and the grayscale version is **34.0508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2432, 0.4051, 0.3842**, and **14.5547, 0.4876, 0.3986** is the 20% darker color. If you saturate the color by 10%, you get **30.3677, 0.4795, 0.3951**, and if you desaturate by 10%, it is **38.6846, 0.4171, 0.3797**.

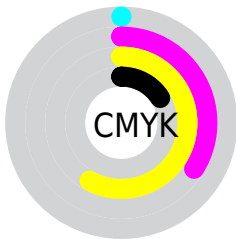
Distribution



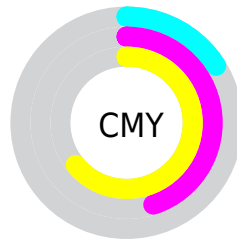
- Red (84%)
- Green (55%)
- Blue (36%)



- Red (84%)
- Yellow (69%)
- Blue (36%)



- Cyan (0%)
- Magenta (34%)
- Yellow (58%)
- Black (16%)




- Cyan (16%)
- Magenta (45%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2522, 0.4475, 0.3887 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 34.2522, 0.4475, 0.3887 by changing the saturation by 10% instead.


 34.2522, 0.4475,
0.3887


 34.2522, 0.4475,
0.3887


321.2551, 0.3773,
0.3619

 23.0874, 0.4651,
0.3937


 66.3257, 0.4217,
0.3801


 14.6581, 0.4875,
0.3987


 88.0031, 0.4121,
0.3765

 8.5798, 0.5161,
0.4028


 113.9536, 0.4040,
0.3733

 4.4681, 0.5584,
0.4071

 144.5615, 0.3971,
0.3705

 1.9387, 0.6047,
0.3953

180.2112, 0.3911,
0.3680

 0.5715, 0.6652,
0.3348

221.2871, 0.3859,

 0.0000, 1.0000,

0.3657

0.0000

268.1736, 0.3813,
0.3637

■ 0.0000, 0.0000,
0.0000

■ 34.2522, 0.4475,
0.3887

■ 34.2522, 0.4475,
0.3887

■ 30.3677, 0.4795,
0.3951

■ 38.6846, 0.4171,
0.3797

■ 27.0016, 0.5114,
0.3976

■ 43.6821, 0.3894,
0.3692

■ 24.1290, 0.5406,
0.3951

■ 49.2674, 0.3649,
0.3581

■ 21.7180, 0.5650,
0.3874

■ 55.4602, 0.3435,
0.3472

■ 21.2133, 0.5704,
0.3853

■ 62.2794, 0.3251,
0.3366

■ 69.7427, 0.3092,
0.3268

■ 77.8675, 0.2957,
0.3176

■ 86.1439, 0.2884,
0.3172

■ 93.1839, 0.2888,
0.3289

Harmonies

Analogous

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



34.2522, 0.4397, 0.3370



34.2522, 0.4475, 0.3887



34.2522, 0.4159, 0.4338

Triad

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



34.2522, 0.4475, 0.3887



34.2522, 0.2344, 0.3707



34.2522, 0.2574, 0.2267

Complementary

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



34.2522, 0.4475, 0.3887



34.0336, 0.2252, 0.2553

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.



34.2522, 0.2126, 0.2257



34.2522, 0.4475, 0.3887



34.2522, 0.2001, 0.3000

Square

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



34.2522, 0.4475, 0.3887



34.2522, 0.2919, 0.4334



34.2522, 0.1931, 0.2493



34.2522, 0.3224, 0.2490

Rectangle

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



34.2522, 0.4475, 0.3887



34.2522, 0.3794, 0.4522



34.2522, 0.1931, 0.2493



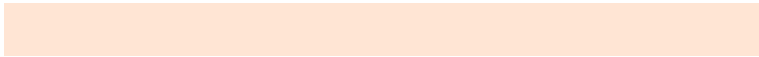
34.2522, 0.2398, 0.2238

Sweetspot

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



34.2539, 0.4475, 0.3887



82.1090, 0.3425, 0.3466



24.6600, 0.3792, 0.2423



17.1612, 0.3466, 0.3488



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.



34.2539, 0.4475, 0.3887



43.6434, 0.4860, 0.3960



57.7147, 0.4022, 0.4536



13.2348, 0.3281, 0.3385



12.8863, 0.5677, 0.3874



0.9373, 0.5363, 0.4124

Inverse Universe

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



34.0336, 0.2252, 0.2553



43.1790, 0.2105, 0.2366



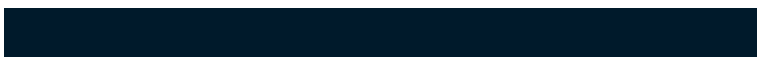
16.9132, 0.2049, 0.1614



13.2285, 0.2982, 0.3194



12.4255, 0.1867, 0.1920



0.9098, 0.1939, 0.2181

Previews

White Background



This preview shows how the Yxy color 34.2522, 0.4475, 0.3887 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 34.2522, 0.4475, 0.3887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

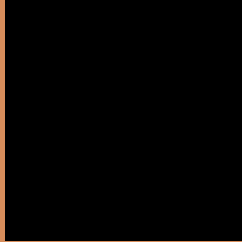
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.2522, 0.4475, 0.3887

Background



This preview shows how black text looks on a background with the Yxy color 34.2522, 0.4475, 0.3887.



This preview shows how white text looks on a background with the Yxy color 34.2522, 0.4475, 0.3887.

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

34.2522, 0.4475, 0.3887

Protanopia

34.5624, 0.3838, 0.4167

Deuteranopia

34.3238, 0.4197, 0.4102



Tritanopia

34.1239, 0.3975, 0.3171

Trichromacy



Original Color

34.2522, 0.4475, 0.3887

Protanomaly

33.9741, 0.4071, 0.4064

Deuteranomaly

34.1622, 0.4303, 0.4013

Tritanomaly

34.2774, 0.4170, 0.3439

Monochromacy



Original Color

34.2522, 0.4475, 0.3887

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.2916, 0.3589, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2522, 0.4475, 0.3887 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(215, 141, 91)` looks like.

```
.text, #text, p{  
    color:rgb(215, 141, 91)  
}
```

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(215, 141, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 141, 91) }
```

Border

The CSS property to change the border of an element to Yxy 34.2522, 0.4475, 0.3887 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(215, 141, 91) }
```

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

```
.border{ border-color:rgb(215, 141, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 141, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 141, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 141, 91);  
box-shadow:4px 4px 4px 4px rgb(215, 141,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2522, 0.4475, 0.3887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 141, 91) }
```

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

```
.background{ background-color: rgb(215,  
141, 91) }
```

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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