

Converting Colors

$Y_{xy}(34.7502, 0.4577, 0.3906)$

Have a look what the booklet for
Yxy(34.7502, 0.4577, 0.3906)
contains.

Yxy(34.6599, 0.4572, 0.3901)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.6599, 0.4572, 0.3901)

Conversions

Conversions Part 1

Format	Color
Hex	DC8C57
RGB	220, 140, 87
RGB Percent	86%, 55%, 34%
CMY	0.1371, 0.4510, 0.6588
CMYK	0.00, 0.36, 0.60, 0.14
HSL	24°, 66%, 60%
HSV	24°, 60%, 86%
XYZ	40.6217, 34.6599, 13.5672
YIQ	157.8780, 64.6930, 0.4770

Conversions

Conversions Part 2

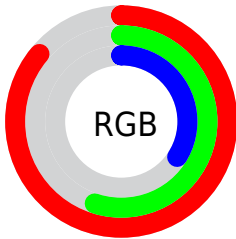
Format	Color
R_{YB}	220, 175, 87
Decimal	14453847
CIE Lab	65.48, 25.41, 40.59
CIE LCh	65, 47.888, 57.960
Yxy	34.6599, 0.4572, 0.3901
Android (android.graphics.Color)	4292643927 (0xFFDC8C57)
YUV	157.8780, -34.9429, 54.4810
Hunter-Lab	58.8727, 20.1364, 27.5475

Details

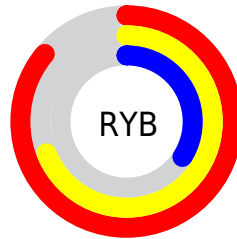
The Yxy color **34.6599, 0.4572, 0.3901** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **34.8535, 0.2217, 0.2519**, and the grayscale version is **34.2743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6786, 0.4087, 0.3871**, and **14.8683, 0.4995, 0.3985** is the 20% darker color. If you saturate the color by 10%, you get **30.7161, 0.4897, 0.3954**, and if you desaturate by 10%, it is **39.1824, 0.4260, 0.3818**.

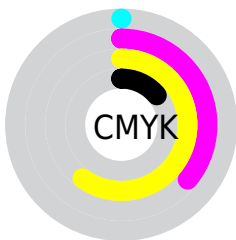
Distribution



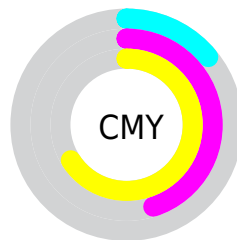
- Red (86%)
- Green (55%)
- Blue (34%)



- Red (86%)
- Yellow (69%)
- Blue (34%)



- Cyan (0%)
- Magenta (36%)
- Yellow (60%)
- Black (14%)





- Cyan (14%)
- Magenta (45%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.6599, 0.4572, 0.3901 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 34.6599, 0.4572, 0.3901 by changing the saturation by 10% instead.


 34.6599, 0.4572,
0.3901


 34.6599, 0.4572,
0.3901

323.0646, 0.3824,
0.3635


 23.4010, 0.4757,
0.3946


 66.9586, 0.4299,
0.3818

 14.8899, 0.4990,
0.3989


 88.7671, 0.4196,
0.3783

 8.7421, 0.5285,
0.4016


 114.8610, 0.4109,
0.3751

 4.5734, 0.5739,
0.4054

 145.6247, 0.4035,
0.3722

 1.9992, 0.6140,
0.3860

 181.4425, 0.3971,
0.3697

 0.6070, 0.6730,
0.3270

222.6988, 0.3916,

 0.0000, 1.0000,

0.3674

0.0000

269.7780, 0.3867,
0.3654

■ 0.0000, 0.0000,
0.0000

■ 34.6599, 0.4572,
0.3901

■ 34.6599, 0.4572,
0.3901

■ 30.7161, 0.4897,
0.3954

■ 39.1824, 0.4260,
0.3818

■ 27.3190, 0.5213,
0.3965

■ 44.3030, 0.3972,
0.3717

■ 24.4406, 0.5496,
0.3923

■ 50.0463, 0.3717,
0.3609

■ 22.1400, 0.5721,
0.3840

■ 56.4342, 0.3493,
0.3500

■ 63.4870, 0.3300,
0.3394

■ 71.2243, 0.3134,
0.3294

■ 79.6648, 0.2992,
0.3202

■ 88.2978, 0.2915,
0.3197

■ 93.9610, 0.2917,
0.3289

Harmonies

Analogous

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



34.6599, 0.4482, 0.3353



34.6599, 0.4572, 0.3901



34.6599, 0.4236, 0.4393

Triad

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



34.6599, 0.4572, 0.3901



34.6599, 0.2301, 0.3756



34.6599, 0.2520, 0.2201

Complementary

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



34.6599, 0.4572, 0.3901



34.8535, 0.2217, 0.2519

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.



34.6599, 0.2054, 0.2193



34.6599, 0.4572, 0.3901



34.6599, 0.1933, 0.2989

Square

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



34.6599, 0.4572, 0.3901



34.6599, 0.2915, 0.4433



34.6599, 0.1855, 0.2445



34.6599, 0.3209, 0.2432

Rectangle

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



34.6599, 0.4572, 0.3901



34.6599, 0.3848, 0.4605



34.6599, 0.1855, 0.2445



34.6599, 0.2336, 0.2172

Sweetspot

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



34.6617, 0.4572, 0.3901



81.0147, 0.3446, 0.3475



24.9048, 0.3810, 0.2366



16.7464, 0.3506, 0.3507



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.



34.6617, 0.4572, 0.3901



41.3285, 0.4998, 0.3963



59.3401, 0.4075, 0.4565



13.8983, 0.3282, 0.3384



13.1933, 0.5694, 0.3861



1.0203, 0.5395, 0.4098

Inverse Universe

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



34.8535, 0.2217, 0.2519



41.4722, 0.2065, 0.2315



16.8026, 0.2000, 0.1552



13.9140, 0.2982, 0.3195



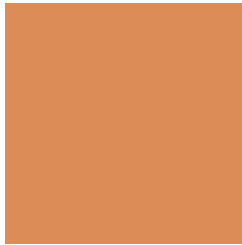
13.0022, 0.1871, 0.1936



1.0091, 0.1939, 0.2180

Previews

White Background



This preview shows how the Yxy color 34.6599, 0.4572, 0.3901 looks on a white background.

Color Contrast Check

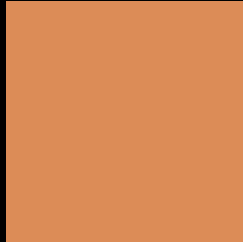
Large Text (above 18pt) WCAG AA × Fail

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 34.6599, 0.4572, 0.3901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

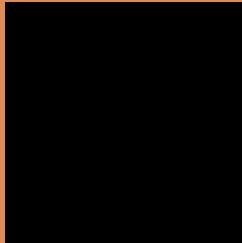
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6599, 0.4572, 0.3901

Background



This preview shows how black text looks on a background with the Yxy color 34.6599, 0.4572, 0.3901.



This preview shows how white text looks on a background with the Yxy color 34.6599, 0.4572, 0.3901.

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

34.6599, 0.4572, 0.3901

Protanopia

34.7184, 0.3895, 0.4213

Deuteranopia

34.6987, 0.4244, 0.4168



Tritanopia

34.6055, 0.4043, 0.3174

Trichromacy



Original Color

34.6599, 0.4572, 0.3901

Protanomaly

34.2882, 0.4140, 0.4102

Deuteranomaly

34.6731, 0.4362, 0.4073

Tritanomaly

34.7264, 0.4250, 0.3448

Monochromacy



Original Color

34.6599, 0.4572, 0.3901

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.6229, 0.3631, 0.3561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6599, 0.4572, 0.3901 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(220, 140, 87)` looks like.

```
.text, #text, p{  
    color:rgb(220, 140, 87)  
}
```

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(220, 140, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 140, 87) }
```

Border

The CSS property to change the border of an element to Yxy 34.6599, 0.4572, 0.3901 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(220, 140, 87) }
```

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

```
.border{ border-color:rgb(220, 140, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 140, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 140, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 140, 87);  
box-shadow:4px 4px 4px 4px rgb(220, 140,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6599, 0.4572, 0.3901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 140, 87) }
```

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

```
.background{ background-color: rgb(220,  
140, 87) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor