

Converting Colors

$Y_{xy}(33.6015, 0.4637, 0.3917)$

Have a look what the booklet for
Yxy(33.6015, 0.4637, 0.3917)
contains.

Yxy(33.5606, 0.4635, 0.3920)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.5606, 0.4635, 0.3920)

Conversions

Conversions Part 1

Format	Color
Hex	DB8952
RGB	219, 137, 82
RGB Percent	86%, 54%, 32%
CMY	0.1412, 0.4627, 0.6784
CMYK	0.00, 0.37, 0.63, 0.14
HSL	24°, 66%, 59%
HSV	24°, 63%, 86%
XYZ	39.6820, 33.5606, 12.3712
YIQ	155.2480, 66.5270, 0.2790

Conversions

Conversions Part 2

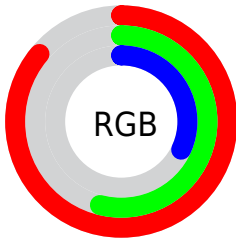
Format	Color
R _Y B	219, 174, 82
Decimal	14387538
CIE Lab	64.61, 26.23, 42.12
CIE LCh	65, 49.620, 58.085
Yxy	33.5606, 0.4635, 0.3920
Android (android.graphics.Color)	4292577618 (0xFFDB8952)
YUV	155.2480, -36.1113, 55.9105
Hunter-Lab	57.9315, 20.8890, 27.8908

Details

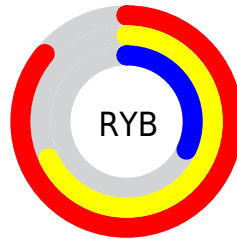
The Yxy color **33.5606, 0.4635, 0.3920** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **33.4609, 0.2190, 0.2480**, and the grayscale version is **33.0365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2151, 0.4142, 0.3891**, and **14.2447, 0.5079, 0.3994** is the 20% darker color. If you saturate the color by 10%, you get **29.7771, 0.4958, 0.3966**, and if you desaturate by 10%, it is **37.9067, 0.4320, 0.3841**.

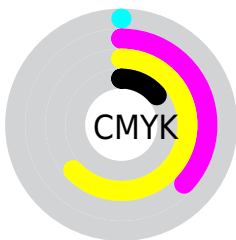
Distribution



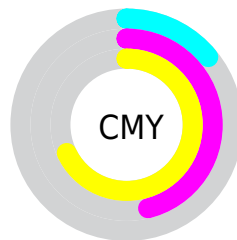
- Red (86%)
- Green (54%)
- Blue (32%)



- Red (86%)
- Yellow (68%)
- Blue (32%)



- Cyan (0%)
- Magenta (37%)
- Yellow (63%)
- Black (14%)




- Cyan (14%)
- Magenta (46%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5606, 0.4635, 0.3920 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 33.5606, 0.4635, 0.3920 by changing the saturation by 10% instead.

 33.5606, 0.4635,
0.3920


 33.5606, 0.4635,
0.3920


318.1683, 0.3852,
0.3649


 22.5562, 0.4828,
0.3964


 65.2498, 0.4349,
0.3837

 14.2662, 0.5070,
0.4003


 86.7034, 0.4242,
0.3801


 8.3060, 0.5373,
0.4021


 112.4089, 0.4151,
0.3768

 4.2914, 0.5898,
0.4081

 142.7507, 0.4074,
0.3739

 1.8379, 0.6209,
0.3791

 178.1131, 0.4007,
0.3713

 0.5106, 0.6941,
0.3059

218.8806, 0.3949,

 0.0000, 1.0000,

0.3689

0.0000

265.4375, 0.3898,
0.3668

0.0000, 0.0000,
0.0000

33.5606, 0.4635,
0.3920

33.5606, 0.4635,
0.3920

29.7771, 0.4958,
0.3966

37.9067, 0.4320,
0.3841

26.5243, 0.5268,
0.3967

42.8347, 0.4028,
0.3743

23.7742, 0.5540,
0.3914

48.3691, 0.3766,
0.3634

22.0259, 0.5711,
0.3847

54.5313, 0.3537,
0.3524

61.3416, 0.3338,
0.3417

■ 68.8193, 0.3167,
0.3315

■ 76.9827, 0.3020,
0.3220

■ 85.7063, 0.2907,
0.3155

■ 93.7853, 0.2911,
0.3289

Harmonies

Analogous

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



33.5606, 0.4547, 0.3351



33.5606, 0.4635, 0.3920



33.5606, 0.4278, 0.4437

Triad

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



33.5606, 0.4635, 0.3920



33.5606, 0.2260, 0.3775



33.5606, 0.2495, 0.2159

Complementary

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



33.5606, 0.4635, 0.3920



33.4609, 0.2190, 0.2480

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.



33.5606, 0.2012, 0.2147



33.5606, 0.4635, 0.3920



33.5606, 0.1883, 0.2967

Square

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



33.5606, 0.4635, 0.3920



33.5606, 0.2897, 0.4492



33.5606, 0.1805, 0.2404



33.5606, 0.3214, 0.2399

Rectangle

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



33.5606, 0.4635, 0.3920



33.5606, 0.3870, 0.4665



33.5606, 0.1805, 0.2404



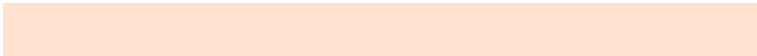
33.5606, 0.2304, 0.2128

Sweetspot

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



33.5623, 0.4635, 0.3920



80.1362, 0.3466, 0.3487



23.7839, 0.3876, 0.2367



16.5763, 0.3526, 0.3519



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.



33.5623, 0.4635, 0.3920



40.5386, 0.5057, 0.3972



59.4750, 0.4087, 0.4617



13.9052, 0.3282, 0.3384



13.2620, 0.5685, 0.3868



1.0251, 0.5387, 0.4104

Inverse Universe

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



33.4609, 0.2190, 0.2480



40.2303, 0.2042, 0.2275



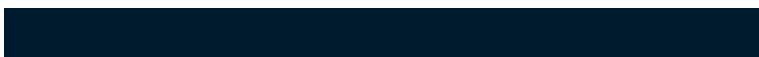
15.2219, 0.1954, 0.1456



13.9069, 0.2982, 0.3194



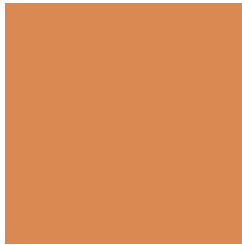
12.8904, 0.1868, 0.1925



1.0022, 0.1936, 0.2171

Previews

White Background



This preview shows how the Yxy color 33.5606, 0.4635, 0.3920 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 33.5606, 0.4635, 0.3920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

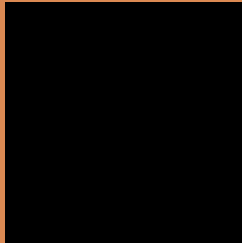
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5606, 0.4635, 0.3920

Background



This preview shows how black text looks on a background with the Yxy color 33.5606, 0.4635, 0.3920.



This preview shows how white text looks on a background with the Yxy color 33.5606, 0.4635, 0.3920.

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

33.5606, 0.4635, 0.3920

Protanopia

33.7194, 0.3929, 0.4261

Deuteranopia

33.7147, 0.4282, 0.4208



Tritanopia

33.5467, 0.4082, 0.3174

Trichromacy



Original Color

33.5606, 0.4635, 0.3920

Protanomaly

33.4317, 0.4190, 0.4141

Deuteranomaly

33.3865, 0.4411, 0.4099

Tritanomaly

33.6366, 0.4304, 0.3460

Monochromacy



Original Color

33.5606, 0.4635, 0.3920

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.2033, 0.3651, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5606, 0.4635, 0.3920 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(219, 137, 82)` looks like.

```
.text, #text, p{  
    color:rgb(219, 137, 82)  
}
```

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(219, 137, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 137, 82) }
```

Border

The CSS property to change the border of an element to Yxy 33.5606, 0.4635, 0.3920 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(219, 137, 82) }
```

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

```
.border{ border-color:rgb(219, 137, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 137, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 137, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 137, 82);  
box-shadow:4px 4px 4px 4px rgb(219, 137,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5606, 0.4635, 0.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 137, 82) }
```

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

```
.background{ background-color: rgb(219,  
137, 82) }
```

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