

Converting Colors

$Y_{xy}(32.5848, 0.4691, 0.3880)$

Have a look what the booklet for
Yxy(32.5848, 0.4691, 0.3880)
contains.

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Color

Yxy(32.5848, 0.4691, 0.3880)

Conversions

Conversions Part 1

Format	Color
Hex	DC8551
RGB	220, 133, 81
RGB Percent	86%, 52%, 32%
CMY	0.1371, 0.4785, 0.6823
CMYK	0.00, 0.40, 0.63, 0.14
HSL	22°, 67%, 59%
HSV	22°, 63%, 86%
XYZ	39.3957, 32.5848, 12.0009
YIQ	153.0850, 68.5440, 2.2720

Conversions

Conversions Part 2

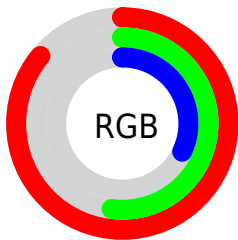
Format	Color
RYB	220, 164, 81
Decimal	14452049
CIELab	63.82, 28.73, 41.73
CIElCh	64, 50.668, 55.455
Yxy	32.5848, 0.4691, 0.3880
Android (android.graphics.Color)	4292642129 (0xFFDC8551)
YUV	153.0850, -35.5379, 58.6845
Hunter-Lab	57.0831, 23.2957, 27.4932

Details

The Yxy color **32.5848, 0.4691, 0.3880** 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 **34.9476, 0.2195, 0.2530**, and the grayscale version is **32.0307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4666, 0.4172, 0.3861**, and **13.6180, 0.5151, 0.3943** is the 20% darker color. If you saturate the color by 10%, you get **28.7801, 0.5028, 0.3918**, and if you desaturate by 10%, it is **36.9946, 0.4363, 0.3810**.

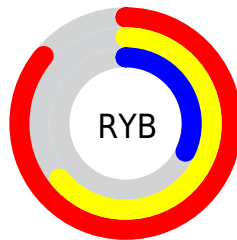
Distribution



Red (86%)

Green (52%)

Blue (32%)



Red (86%)

Yellow (64%)

Blue (32%)

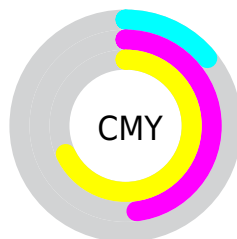


Cyan (0%)

Magenta (40%)

Yellow (63%)

Black (14%)



Cyan (14%)


Magenta (48%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5848, 0.4691, 0.3880 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 32.5848, 0.4691, 0.3880 by changing the saturation by 10% instead.


 32.5848, 0.4691,
0.3880


 32.5848, 0.4691,
0.3880


313.7747, 0.3875,
0.3632

 21.8086, 0.4894,
0.3917


 63.7268, 0.4392,
0.3806


 13.7163, 0.5148,
0.3945


 84.8613, 0.4280,
0.3773


 7.9236, 0.5468,
0.3947


 110.2173, 0.4185,
0.3743

 4.0461, 0.6019,
0.3981

 140.1793, 0.4105,
0.3716

 1.6994, 0.6351,
0.3649

 175.1317, 0.4035,
0.3692

 0.4233, 0.7278,
0.2722

215.4587, 0.3975,

 0.0000, 1.0000,

0.3670

0.0000

261.5449, 0.3922,
0.3650

0.0000, 0.0000,
0.0000

32.5848, 0.4691,
0.3880

32.5848, 0.4691,
0.3880

28.7801, 0.5028,
0.3918

36.9946, 0.4363,
0.3810

25.5456, 0.5350,
0.3910

42.0319, 0.4060,
0.3719

22.8497, 0.5628,
0.3849

47.7238, 0.3790,
0.3618

21.2940, 0.5789,
0.3786

54.0943, 0.3554,
0.3515

61.1659, 0.3351,
0.3414

■ 68.9602, 0.3177,
0.3319

■ 77.4977, 0.3029,
0.3230

■ 86.6658, 0.2914,
0.3169

■ 93.9606, 0.2917,
0.3289

Harmonies

Analogous

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



32.5848, 0.4559, 0.3298



32.5848, 0.4691, 0.3880



32.5848, 0.4354, 0.4424

Triad

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



32.5848, 0.4691, 0.3880



32.5848, 0.2282, 0.3866



32.5848, 0.2422, 0.2119

Complementary

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



32.5848, 0.4691, 0.3880



34.9476, 0.2195, 0.2530

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.



32.5848, 0.1953, 0.2128



32.5848, 0.4691, 0.3880



32.5848, 0.1871, 0.3020

Square

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



32.5848, 0.4691, 0.3880



32.5848, 0.2952, 0.4578



32.5848, 0.1767, 0.2414



32.5848, 0.3143, 0.2346

Rectangle

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



32.5848, 0.4691, 0.3880



32.5848, 0.3948, 0.4683



32.5848, 0.1767, 0.2414



32.5848, 0.2234, 0.2094

Sweetspot

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



32.5865, 0.4691, 0.3880



79.4112, 0.3468, 0.3474



23.9750, 0.3822, 0.2312



16.4024, 0.3529, 0.3503



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.



32.5865, 0.4691, 0.3880



38.5528, 0.5142, 0.3920



57.8202, 0.4127, 0.4587



13.8450, 0.3282, 0.3378



12.6903, 0.5761, 0.3807



0.9844, 0.5454, 0.4051

Inverse Universe

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



34.9476, 0.2195, 0.2530



41.8999, 0.2052, 0.2334



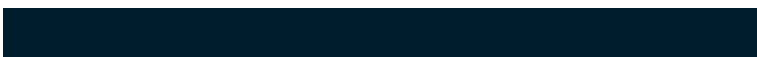
15.9480, 0.1956, 0.1498



13.9688, 0.2982, 0.3200



13.8797, 0.1895, 0.2023



1.0625, 0.1959, 0.2252

Previews

White Background



This preview shows how the Yxy color 32.5848, 0.4691, 0.3880 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 32.5848, 0.4691, 0.3880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

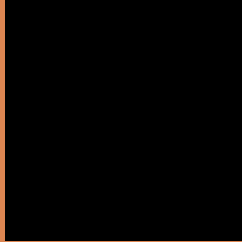
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5848, 0.4691, 0.3880

Background



This preview shows how black text looks on a background with the Yxy color 32.5848, 0.4691, 0.3880.



This preview shows how white text looks on a background with the Yxy color 32.5848, 0.4691, 0.3880.

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

32.5848, 0.4691, 0.3880

Protanopia

32.7100, 0.3910, 0.4249

Deuteranopia

32.8062, 0.4287, 0.4204



Tritanopia

32.5466, 0.4160, 0.3175

Trichromacy



Original Color

32.5848, 0.4691, 0.3880

Protanomaly

32.2307, 0.4192, 0.4112

Deuteranomaly

32.7660, 0.4438, 0.4085

Tritanomaly

32.6494, 0.4374, 0.3447

Monochromacy



Original Color

32.5848, 0.4691, 0.3880

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.4372, 0.3659, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5848, 0.4691, 0.3880 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, 133, 81)` looks like.

```
.text, #text, p{  
    color:rgb(220, 133, 81)  
}
```

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, 133, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 133, 81) }
```

Border

The CSS property to change the border of an element to Yxy 32.5848, 0.4691, 0.3880 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, 133, 81) }
```

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

```
.border{ border-color:rgb(220, 133, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 133, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 133, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 133, 81);  
box-shadow:4px 4px 4px 4px rgb(220, 133,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5848, 0.4691, 0.3880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 133, 81) }
```

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

```
.background{ background-color: rgb(220,  
133, 81) }
```

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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