

Converting Colors

$Y_{xy}(32.9010, 0.4680, 0.3894)$

Have a look what the booklet for
Yxy(32.9010, 0.4680, 0.3894)
contains.

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Color

Yxy(32.8599, 0.4681, 0.3892)

Conversions

Conversions Part 1

Format	Color
Hex	DC8651
RGB	220, 134, 81
RGB Percent	86%, 53%, 32%
CMY	0.1373, 0.4744, 0.6823
CMYK	0.00, 0.39, 0.63, 0.14
HSL	23°, 66%, 59%
HSV	23°, 63%, 86%
XYZ	39.5214, 32.8599, 12.0481
YIQ	153.6720, 68.2690, 1.7490

Conversions

Conversions Part 2

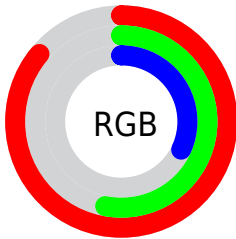
Format	Color
R _{YB}	220, 167, 81
Decimal	14452305
CIE Lab	64.05, 28.16, 42.00
CIE LCh	64, 50.564, 56.154
Yxy	32.8599, 0.4681, 0.3892
Android (android.graphics.Color)	4292642385 (0xFFDC8651)
YUV	153.6720, -35.8273, 58.1697
Hunter-Lab	57.3236, 22.7495, 27.6651

Details

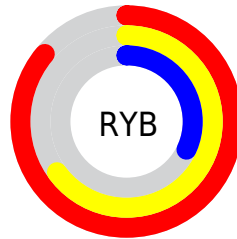
The Yxy color **32.8599, 0.4681, 0.3892** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **34.5476, 0.2192, 0.2513**, and the grayscale version is **32.3032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8924, 0.4167, 0.3871**, and **13.7699, 0.5135, 0.3958** is the 20% darker color. If you saturate the color by 10%, you get **29.0598, 0.5014, 0.3931**, and if you desaturate by 10%, it is **37.2544, 0.4356, 0.3820**.

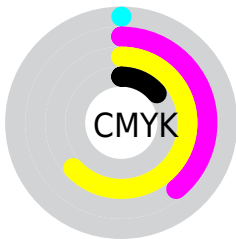
Distribution



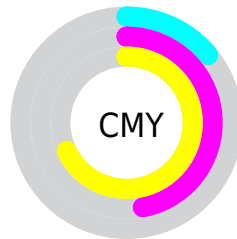
- Red (86%)
- Green (53%)
- Blue (32%)



- Red (86%)
- Yellow (65%)
- Blue (32%)



- Cyan (0%)
- Magenta (39%)
- Yellow (63%)
- Black (14%)





- Cyan (14%)
- Magenta (47%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8599, 0.4681, 0.3892 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 32.8599, 0.4681, 0.3892 by changing the saturation by 10% instead.


 32.8599, 0.4681,
0.3892


 32.8599, 0.4681,
0.3892


315.0180, 0.3871,
0.3638


 22.0191, 0.4882,
0.3931


 64.1567, 0.4385,
0.3816


 13.8710, 0.5133,
0.3961


 85.3816, 0.4274,
0.3782

 8.0310, 0.5449,
0.3967

 110.8366, 0.4180,
0.3751

 4.1148, 0.5993,
0.4007

 140.9062, 0.4100,
0.3724

 1.7380, 0.6317,
0.3683

 175.9747, 0.4031,
0.3699

 0.4481, 0.7185,
0.2815

216.4266, 0.3971,

 0.0000, 1.0000,

0.3676

0.0000

262.6462, 0.3918,
0.3656

■ 0.0000, 0.0000,
0.0000

■ 32.8599, 0.4681,
0.3892

■ 32.8599, 0.4681,
0.3892

■ 29.0598, 0.5014,
0.3931

■ 37.2544, 0.4356,
0.3820

■ 25.8198, 0.5332,
0.3925

■ 42.2649, 0.4056,
0.3727

■ 23.1093, 0.5608,
0.3866

■ 47.9178, 0.3787,
0.3624

■ 21.5367, 0.5768,
0.3802

■ 54.2364, 0.3553,
0.3519

■ 61.2428, 0.3350,
0.3417

■ 68.9580, 0.3177,
0.3319

■ 77.4018, 0.3029,
0.3229

■ 86.4637, 0.2913,
0.3166

■ 93.9523, 0.2917,
0.3289

Harmonies

Analogous

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



32.8599, 0.4561, 0.3312



32.8599, 0.4681, 0.3892



32.8599, 0.4337, 0.4431

Triad

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



32.8599, 0.4681, 0.3892



32.8599, 0.2273, 0.3843



32.8599, 0.2439, 0.2127

Complementary

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



32.8599, 0.4681, 0.3892



34.5476, 0.2192, 0.2513

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.



32.8599, 0.1965, 0.2130



32.8599, 0.4681, 0.3892



32.8599, 0.1870, 0.3004

Square

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



32.8599, 0.4681, 0.3892



32.8599, 0.2936, 0.4560



32.8599, 0.1773, 0.2408



32.8599, 0.3162, 0.2357

Rectangle

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



32.8599, 0.4681, 0.3892



32.8599, 0.3929, 0.4683



32.8599, 0.1773, 0.2408



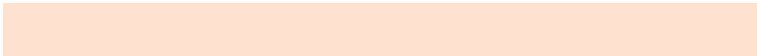
32.8599, 0.2250, 0.2100

Sweetspot

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



32.8616, 0.4681, 0.3892



79.6085, 0.3468, 0.3478



23.9659, 0.3821, 0.2312



16.4497, 0.3528, 0.3508



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.



32.8616, 0.4681, 0.3892



38.9582, 0.5127, 0.3935



57.7905, 0.4127, 0.4587



13.8615, 0.3282, 0.3380



12.8417, 0.5741, 0.3824



0.9953, 0.5436, 0.4066

Inverse Universe

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



34.5476, 0.2192, 0.2513



41.3022, 0.2047, 0.2314



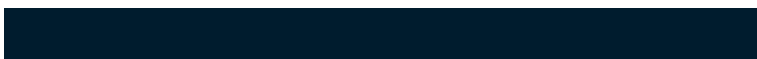
15.9445, 0.1956, 0.1498



13.9519, 0.2982, 0.3199



13.6041, 0.1888, 0.1996



1.0458, 0.1953, 0.2230

Previews

White Background



This preview shows how the Yxy color 32.8599, 0.4681, 0.3892 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 32.8599, 0.4681, 0.3892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

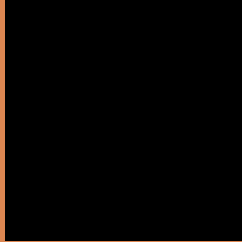
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8599, 0.4681, 0.3892

Background



This preview shows how black text looks on a background with the Yxy color 32.8599, 0.4681, 0.3892.



This preview shows how white text looks on a background with the Yxy color 32.8599, 0.4681, 0.3892.

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

32.8599, 0.4681, 0.3892

Protanopia

33.1561, 0.3914, 0.4257

Deuteranopia

32.9363, 0.4297, 0.4200



Tritanopia

32.8322, 0.4143, 0.3175

Trichromacy



Original Color

32.8599, 0.4681, 0.3892

Protanomaly

32.6705, 0.4195, 0.4121

Deuteranomaly

32.7660, 0.4438, 0.4085

Tritanomaly

32.9376, 0.4356, 0.3447

Monochromacy



Original Color

32.8599, 0.4681, 0.3892

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.8647, 0.3666, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8599, 0.4681, 0.3892 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, 134, 81)` looks like.

```
.text, #text, p{  
    color:rgb(220, 134, 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, 134, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 134, 81) }
```

Border

The CSS property to change the border of an element to Yxy 32.8599, 0.4681, 0.3892 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, 134, 81) }
```

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

```
.border{ border-color:rgb(220, 134, 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, 134, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 134, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 134, 81);  
box-shadow:4px 4px 4px 4px rgb(220, 134,  
81) }
```


Background

The CSS property to change the background color of an element to `rgb(220, 134, 81)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 134, 81) }
```

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

```
.background{ background-color: rgb(220,  
134, 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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