

Converting Colors

$Y_{xy}(32.7801, 0.4673, 0.3894)$

Have a look what the booklet for
Yxy(32.7801, 0.4673, 0.3894)
contains.

Yxy(32.7043, 0.4672, 0.3895)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.7043, 0.4672, 0.3895)

Conversions

Conversions Part 1

Format	Color
Hex	DB8651
RGB	219, 134, 81
RGB Percent	86%, 53%, 32%
CMY	0.1411, 0.4745, 0.6823
CMYK	0.00, 0.39, 0.63, 0.14
HSL	23°, 66%, 59%
HSV	23°, 63%, 86%
XYZ	39.2284, 32.7043, 12.0322
YIQ	153.3730, 67.6730, 1.5370

Conversions

Conversions Part 2

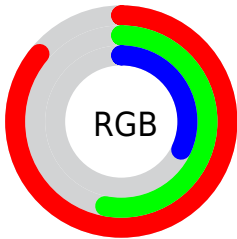
Format	Color
R _Y B	219, 167, 81
Decimal	14386769
CIE Lab	63.92, 27.78, 41.82
CIE LCh	64, 50.207, 56.401
Yxy	32.7043, 0.4672, 0.3895
Android (android.graphics.Color)	4292576849 (0xFFDB8651)
YUV	153.3730, -35.6799, 57.5549
Hunter-Lab	57.1877, 22.3652, 27.5569

Details

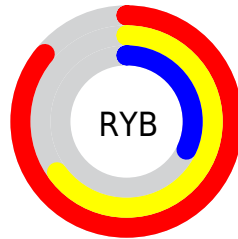
The Yxy color **32.7043, 0.4672, 0.3895** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **34.1519, 0.2193, 0.2511**, and the grayscale version is **32.1641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8924, 0.4167, 0.3871**, and **13.6672, 0.5124, 0.3964** is the 20% darker color. If you saturate the color by 10%, you get **28.9337, 0.5004, 0.3935**, and if you desaturate by 10%, it is **37.0602, 0.4349, 0.3822**.

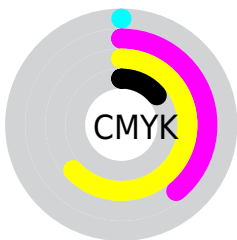
Distribution



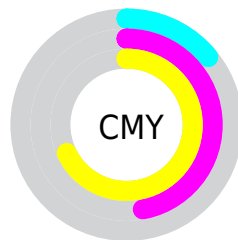
- Red (86%)
- Green (53%)
- Blue (32%)



- 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 32.7043, 0.4672, 0.3895 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 32.7043, 0.4672, 0.3895 by changing the saturation by 10% instead.


 32.7043, 0.4672,
0.3895


 32.7043, 0.4672,
0.3895


314.3152, 0.3866,
0.3638

 21.9000, 0.4872,
0.3934


 63.9136, 0.4377,
0.3818

 13.7835, 0.5123,
0.3967


 85.0874, 0.4267,
0.3783

 7.9702, 0.5438,
0.3974


 110.4865, 0.4173,
0.3753

 4.0759, 0.5983,
0.4017

 140.4953, 0.4094,
0.3725

 1.7161, 0.6305,
0.3695

 175.4981, 0.4025,
0.3700

 0.4341, 0.7200,
0.2800

215.8795, 0.3965,

 0.0000, 1.0000,

0.3677

0.0000

262.0237, 0.3913,
0.3657

■ 0.0000, 0.0000,
0.0000

■ 32.7043, 0.4672,
0.3895

■ 32.7043, 0.4672,
0.3895

■ 28.9337, 0.5004,
0.3935

■ 37.0602, 0.4349,
0.3822

■ 25.7148, 0.5321,
0.3930

■ 42.0225, 0.4050,
0.3728

■ 23.0175, 0.5597,
0.3873

■ 47.6170, 0.3783,
0.3625

■ 21.4163, 0.5760,
0.3808

■ 53.8668, 0.3549,
0.3519

■ 60.7932, 0.3347,
0.3416

■ 68.4169, 0.3174,
0.3318

■ 76.7574, 0.3026,
0.3227

■ 85.7540, 0.2907,
0.3156

■ 93.8030, 0.2912,
0.3289

Harmonies

Analogous

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



32.7043, 0.4557, 0.3318



32.7043, 0.4672, 0.3895



32.7043, 0.4327, 0.4430

Triad

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



32.7043, 0.4672, 0.3895



32.7043, 0.2273, 0.3833



32.7043, 0.2448, 0.2133

Complementary

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



32.7043, 0.4672, 0.3895



34.1519, 0.2193, 0.2511

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.



32.7043, 0.1973, 0.2134



32.7043, 0.4672, 0.3895



32.7043, 0.1874, 0.3000

Square

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



32.7043, 0.4672, 0.3895



32.7043, 0.2932, 0.4548



32.7043, 0.1780, 0.2410



32.7043, 0.3169, 0.2364

Rectangle

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



32.7043, 0.4672, 0.3895



32.7043, 0.3920, 0.4678



32.7043, 0.1780, 0.2410



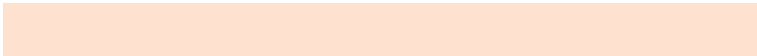
32.7043, 0.2259, 0.2106

Sweetspot

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



32.7060, 0.4672, 0.3895



79.6746, 0.3467, 0.3479



23.7075, 0.3851, 0.2338



16.4655, 0.3528, 0.3509



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.



32.7060, 0.4672, 0.3895



39.0950, 0.5122, 0.3939



58.3305, 0.4108, 0.4605



13.8669, 0.3282, 0.3380



12.8931, 0.5734, 0.3829



0.9990, 0.5430, 0.4071

Inverse Universe

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



34.1519, 0.2193, 0.2511



41.1037, 0.2045, 0.2307



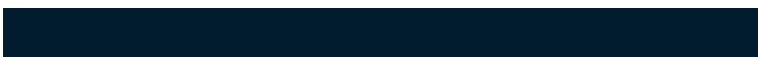
15.4361, 0.1952, 0.1472



13.9462, 0.2982, 0.3198



13.5129, 0.1885, 0.1987



1.0403, 0.1951, 0.2223

Previews

White Background



This preview shows how the Yxy color 32.7043, 0.4672, 0.3895 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 32.7043, 0.4672, 0.3895 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 32.7043, 0.4672, 0.3895

Background



This preview shows how black text looks on a background with the Yxy color 32.7043, 0.4672, 0.3895.



This preview shows how white text looks on a background with the Yxy color 32.7043, 0.4672, 0.3895.

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

32.7043, 0.4672, 0.3895

Protanopia

32.6933, 0.3919, 0.4262

Deuteranopia

32.8062, 0.4287, 0.4204



Tritanopia

32.6729, 0.4132, 0.3174

Trichromacy



Original Color

32.7043, 0.4672, 0.3895

Protanomaly

32.2147, 0.4201, 0.4124

Deuteranomaly

32.6269, 0.4427, 0.4090

Tritanomaly

32.7792, 0.4346, 0.3448

Monochromacy



Original Color

32.7043, 0.4672, 0.3895

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 32.7043, 0.4672, 0.3895 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, 134, 81)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 134, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 134, 81) }
```

Border

The CSS property to change the border of an element to Yxy 32.7043, 0.4672, 0.3895 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, 134, 81) }
```

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

```
.border{ border-color:rgb(219, 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(219, 134, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 134, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 134, 81);  
box-shadow:4px 4px 4px 4px rgb(219, 134,  
81) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.7043, 0.4672, 0.3895$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 134, 81) }
```

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

```
.background{ background-color: rgb(219,  
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](#).

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