

Converting Colors

$Y_{xy}(32.8332, 0.4625, 0.3619)$

Have a look what the booklet for
Yxy(32.8332, 0.4625, 0.3619)
contains.

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Color

Yxy(32.8332, 0.4625, 0.3619)

Conversions

Conversions Part 1

Format	Color
Hex	E48063
RGB	228, 128, 99
RGB Percent	89%, 50%, 39%
CMY	0.1060, 0.4979, 0.6117
CMYK	0.00, 0.44, 0.57, 0.11
HSL	14°, 70%, 64%
HSV	14°, 57%, 89%
XYZ	41.9601, 32.8332, 15.9312
YIQ	154.5940, 68.9090, 12.1810

Conversions

Conversions Part 2

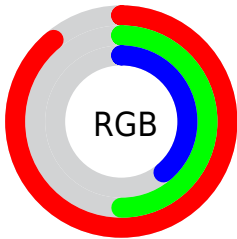
Format	Color
R _Y B	228, 136, 99
Decimal	14975075
CIE Lab	64.03, 35.78, 32.59
CIE LCh	64, 48.395, 42.326
Yxy	32.8332, 0.4625, 0.3619
Android (android.graphics.Color)	4293165155 (0xFFE48063)
YUV	154.5940, -27.4078, 64.3771
Hunter-Lab	57.3003, 30.4373, 23.6258

Details

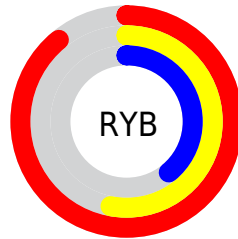
The Yxy color **32.8332, 0.4625, 0.3619** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.0788, 0.2335, 0.2897**, and the grayscale version is **32.6923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.9179, 0.4046, 0.3628**, and **13.8805, 0.5083, 0.3633** is the 20% darker color. If you saturate the color by 10%, you get **28.2430, 0.5025, 0.3647**, and if you desaturate by 10%, it is **38.3524, 0.4256, 0.3571**.

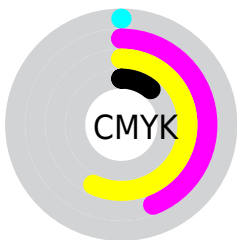
Distribution



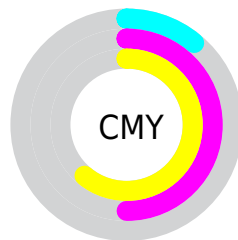
- Red (89%)
- Green (50%)
- Blue (39%)



- Red (89%)
- Yellow (53%)
- Blue (39%)



- Cyan (0%)
- Magenta (44%)
- Yellow (57%)
- Black (11%)





- Cyan (11%)
- Magenta (50%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8332, 0.4625, 0.3619 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 32.8332, 0.4625, 0.3619 by changing the saturation by 10% instead.


 32.8332, 0.4625,
0.3619


 32.8332, 0.4625,
0.3619


314.8975, 0.3833,
0.3495


 21.9987, 0.4830,
0.3631


 64.1150, 0.4330,
0.3587

 13.8559, 0.5094,
0.3634


 85.3311, 0.4221,
0.3570

 8.0205, 0.5441,
0.3612

 110.7766, 0.4130,
0.3555

 4.1081, 0.5925,
0.3542

 140.8357, 0.4052,
0.3541

 1.7342, 0.6641,
0.3359

175.8930, 0.3986,
0.3528

 0.4457, 0.7564,
0.2436

216.3328, 0.3928,

 0.0000, 1.0000,

0.3516

0.0000

262.5395, 0.3877,
0.3505

■ 0.0000, 0.0000,
0.0000

■ 32.8332, 0.4625,
0.3619

■ 32.8332, 0.4625,
0.3619

■ 28.2430, 0.5025,
0.3647

■ 38.3524, 0.4256,
0.3571

■ 24.5244, 0.5429,
0.3645

■ 44.8436, 0.3933,
0.3511

■ 21.6213, 0.5793,
0.3605

■ 52.3529, 0.3658,
0.3449

■ 19.4679, 0.6071,
0.3527

■ 60.9221, 0.3427,
0.3386

■ 18.8830, 0.6149,
0.3499

■ 70.5908, 0.3235,
0.3327

■ 81.3962, 0.3076,
0.3272

■ 93.1408, 0.2963,
0.3257

■ 95.2295, 0.2964,
0.3290

Harmonies

Analogous

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



32.8332, 0.4287, 0.3068



32.8332, 0.4625, 0.3619



32.8332, 0.4491, 0.4169

Triad

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



32.8332, 0.4625, 0.3619



32.8332, 0.2581, 0.4176



32.8332, 0.2222, 0.2140

Complementary

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



32.8332, 0.4625, 0.3619



49.0788, 0.2335, 0.2897

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.



32.8332, 0.1887, 0.2262



32.8332, 0.4625, 0.3619



32.8332, 0.2061, 0.3375

Square

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



32.8332, 0.4625, 0.3619



32.8332, 0.3285, 0.4655



32.8332, 0.1829, 0.2673



32.8332, 0.2819, 0.2262

Rectangle

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



32.8332, 0.4625, 0.3619



32.8332, 0.4185, 0.4479



32.8332, 0.1829, 0.2673



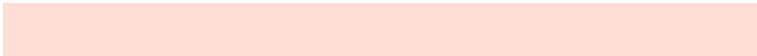
32.8332, 0.2080, 0.2151

Sweetspot

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



32.8349, 0.4625, 0.3619



77.9223, 0.3438, 0.3389



29.5857, 0.3489, 0.2202



16.1797, 0.3482, 0.3402



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.



32.8349, 0.4625, 0.3619



35.4446, 0.5101, 0.3650



54.8408, 0.4157, 0.4304



14.8913, 0.3287, 0.3344



11.0528, 0.6125, 0.3519



0.9542, 0.5844, 0.3742

Inverse Universe

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



49.0788, 0.2335, 0.2897



58.0997, 0.2219, 0.2799



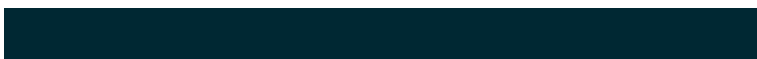
25.7335, 0.2137, 0.1972



15.7574, 0.2981, 0.3236



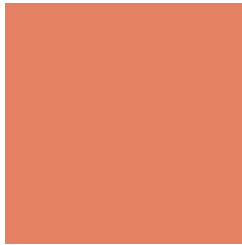
21.5082, 0.2042, 0.2550



1.7248, 0.2075, 0.2670

Previews

White Background



This preview shows how the Yxy color 32.8332, 0.4625, 0.3619 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 32.8332, 0.4625, 0.3619 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 32.8332, 0.4625, 0.3619

Background



This preview shows how black text looks on a background with the Yxy color 32.8332, 0.4625, 0.3619.



This preview shows how white text looks on a background with the Yxy color 32.8332, 0.4625, 0.3619.

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

32.8332, 0.4625, 0.3619

Protanopia

32.8933, 0.3694, 0.3960

Deuteranopia

33.0125, 0.4092, 0.4026



Tritanopia

32.9042, 0.4282, 0.3202

Trichromacy



Original Color

32.8332, 0.4625, 0.3619

Protanomaly

32.2386, 0.4030, 0.3826

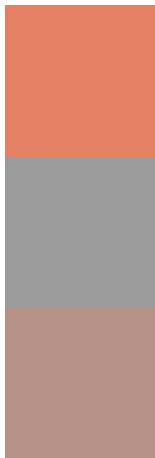
Deuteranomaly

32.5908, 0.4302, 0.3866

Tritanomaly

32.6813, 0.4413, 0.3351

Monochromacy



Original Color

32.8332, 0.4625, 0.3619

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.9452, 0.3632, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8332, 0.4625, 0.3619 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(228, 128, 99)` looks like.

```
.text, #text, p{  
    color:rgb(228, 128, 99)  
}
```

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(228, 128, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 128, 99) }
```

Border

The CSS property to change the border of an element to Yxy 32.8332, 0.4625, 0.3619 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(228, 128, 99) }
```

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

```
.border{ border-color:rgb(228, 128, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 128, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 128, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 128, 99);  
box-shadow:4px 4px 4px 4px rgb(228, 128,  
99) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.8332, 0.4625, 0.3619$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 128, 99) }
```

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

```
.background{ background-color: rgb(228,  
128, 99) }
```

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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