

Converting Colors

$Y_{xy}(32.3617, 0.4434, 0.3783)$

Have a look what the booklet for
Yxy(32.3617, 0.4434, 0.3783)
contains.

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Color

Yxy(32.4499, 0.4435, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	D48860
RGB	212, 136, 96
RGB Percent	83%, 53%, 38%
CMY	0.1685, 0.4667, 0.6235
CMYK	0.00, 0.36, 0.55, 0.17
HSL	21°, 57%, 60%
HSV	21°, 55%, 83%
XYZ	38.0728, 32.4499, 15.3236
YIQ	154.1640, 58.1360, 3.6720

Conversions

Conversions Part 2

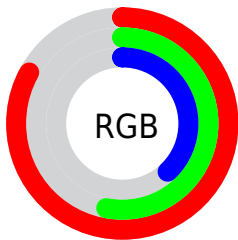
Format	Color
R _Y B	212, 157, 96
Decimal	13928544
CIE Lab	63.71, 24.99, 33.41
CIE LCh	64, 41.716, 53.203
Yxy	32.4499, 0.4435, 0.3780
Android (android.graphics.Color)	4292118624 (0xFFD48860)
YUV	154.1640, -28.6749, 50.7222
Hunter-Lab	56.9648, 19.6133, 23.9263

Details

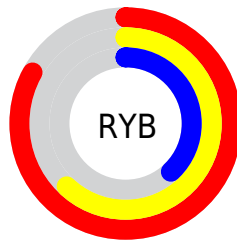
The Yxy color **32.4499, 0.4435, 0.3780** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **36.7618, 0.2314, 0.2704**, and the grayscale version is **32.5008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1935, 0.4034, 0.3741**, and **13.5804, 0.4860, 0.3858** is the 20% darker color. If you saturate the color by 10%, you get **28.4490, 0.4777, 0.3840**, and if you desaturate by 10%, it is **37.0667, 0.4118, 0.3699**.

Distribution



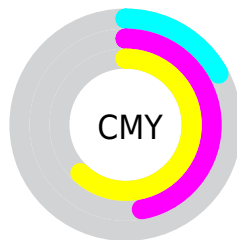
- Red (83%)
- Green (53%)
- Blue (38%)



- Red (83%)
- Yellow (62%)
- Blue (38%)



- Cyan (0%)
- Magenta (36%)
- Yellow (55%)
- Black (17%)





- Cyan (17%)
- Magenta (47%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4499, 0.4435, 0.3780 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 32.4499, 0.4435, 0.3780 by changing the saturation by 10% instead.


 32.4499, 0.4435,
0.3780

 32.4499, 0.4435,
0.3780


313.1636, 0.3744,
0.3561


 21.7054, 0.4614,
0.3820


 63.5157, 0.4178,
0.3710


 13.6406, 0.4844,
0.3860


 84.6058, 0.4082,
0.3680

 7.8711, 0.5147,
0.3890


 109.9132, 0.4003,
0.3654

 4.0126, 0.5586,
0.3905

 139.8223, 0.3935,
0.3631

 1.6806, 0.6187,
0.3813

174.7175, 0.3877,
0.3611

 0.4111, 0.7109,
0.2891

214.9832, 0.3827,

 0.0000, 0.0000,

0.3592

0.0000

261.0038, 0.3783,
0.3576

■ 32.4499, 0.4435,
0.3780

■ 32.4499, 0.4435,
0.3780

■ 28.4490, 0.4777,
0.3840

■ 37.0667, 0.4118,
0.3699

■ 25.0312, 0.5127,
0.3866

■ 42.3207, 0.3836,
0.3607

■ 22.1674, 0.5457,
0.3846

■ 48.2378, 0.3591,
0.3512

■ 19.8234, 0.5737,
0.3776

■ 54.8412, 0.3381,
0.3419

■ 18.7762, 0.5864,
0.3726

■ 62.1525, 0.3202,
0.3330

■ 70.1928, 0.3050,
0.3247

■ 78.9820, 0.2921,
0.3171

■ 87.8358, 0.2868,
0.3208

■ 92.7411, 0.2872,
0.3289

Harmonies

Analogous

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



32.4499, 0.4282, 0.3280



32.4499, 0.4435, 0.3780



32.4499, 0.4198, 0.4231

Triad

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



32.4499, 0.4435, 0.3780



32.4499, 0.2465, 0.3814



32.4499, 0.2501, 0.2288

Complementary

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



32.4499, 0.4435, 0.3780



36.7618, 0.2314, 0.2704

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.



32.4499, 0.2112, 0.2320



32.4499, 0.4435, 0.3780



32.4499, 0.2086, 0.3130

Square

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



32.4499, 0.4435, 0.3780



32.4499, 0.3046, 0.4356



32.4499, 0.1969, 0.2598



32.4499, 0.3098, 0.2467

Rectangle

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



32.4499, 0.4435, 0.3780



32.4499, 0.3875, 0.4436



32.4499, 0.1969, 0.2598



32.4499, 0.2345, 0.2273

Sweetspot

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



32.4515, 0.4435, 0.3780



81.7563, 0.3409, 0.3432



25.3982, 0.3641, 0.2376



17.0409, 0.3451, 0.3451



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.



32.4515, 0.4435, 0.3780



42.1040, 0.4846, 0.3848



52.8486, 0.4028, 0.4410



13.1137, 0.3283, 0.3371



11.7571, 0.5838, 0.3747



0.8612, 0.5503, 0.4013

Inverse Universe

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



36.7618, 0.2314, 0.2704



49.1620, 0.2172, 0.2548



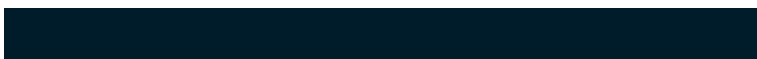
19.5811, 0.2132, 0.1824



13.3537, 0.2982, 0.3208



14.5154, 0.1925, 0.2128



1.0271, 0.1987, 0.2352

Previews

White Background



This preview shows how the Yxy color 32.4499, 0.4435, 0.3780 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 32.4499, 0.4435, 0.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

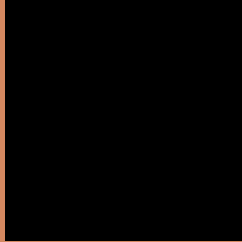
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4499, 0.4435, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 32.4499, 0.4435, 0.3780.



This preview shows how white text looks on a background with the Yxy color 32.4499, 0.4435, 0.3780.

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

32.4499, 0.4435, 0.3780

Protanopia

32.7468, 0.3761, 0.4062

Deuteranopia

32.6793, 0.4109, 0.4026



Tritanopia

32.3058, 0.3996, 0.3169

Trichromacy



Original Color

32.4499, 0.4435, 0.3780

Protanomaly

32.2903, 0.4006, 0.3961

Deuteranomaly

32.6431, 0.4225, 0.3934

Tritanomaly

32.2539, 0.4167, 0.3392

Monochromacy



Original Color

32.4499, 0.4435, 0.3780

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.6749, 0.3569, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4499, 0.4435, 0.3780 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(212, 136, 96)` looks like.

```
.text, #text, p{  
    color:rgb(212, 136, 96)  
}
```

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(212, 136, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 136, 96) }
```

Border

The CSS property to change the border of an element to Yxy 32.4499, 0.4435, 0.3780 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(212, 136, 96) }
```

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

```
.border{ border-color:rgb(212, 136, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 136, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 136, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 136, 96);  
box-shadow:4px 4px 4px 4px rgb(212, 136,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4499, 0.4435, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 136, 96) }
```

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

```
.background{ background-color: rgb(212,  
136, 96) }
```

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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