

Converting Colors

$Y_{xy}(32.0770, 0.4567, 0.3748)$

Have a look what the booklet for
Yxy(32.0770, 0.4567, 0.3748)
contains.

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Color

Yxy(32.1983, 0.4559, 0.3751)

Conversions

Conversions Part 1

Format	Color
Hex	DA845D
RGB	218, 132, 93
RGB Percent	85%, 52%, 36%
CMY	0.1452, 0.4823, 0.6353
CMYK	0.00, 0.39, 0.57, 0.15
HSL	19°, 63%, 61%
HSV	19°, 57%, 85%
XYZ	39.1341, 32.1983, 14.5068
YIQ	153.2680, 63.7750, 6.1030

Conversions

Conversions Part 2

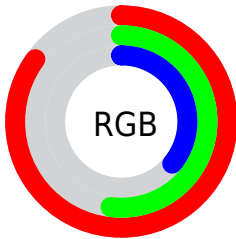
Format	Color
R_{YB}	218, 150, 93
Decimal	14320733
CIE _{Lab}	63.51, 29.27, 34.93
CIE _{LCh}	64, 45.574, 50.038
Yxy	32.1983, 0.4559, 0.3751
Android (android.graphics.Color)	4292510813 (0xFFDA845D)
YUV	153.2680, -29.7121, 56.7700
Hunter-Lab	56.7435, 23.8042, 24.5626

Details

The Yxy color **32.1983, 0.4559, 0.3751** 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 **39.6054, 0.2293, 0.2730**, and the grayscale version is **32.0906, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3914, 0.4078, 0.3731**, and **13.4530, 0.5005, 0.3797** is the 20% darker color. If you saturate the color by 10%, you get **28.0886, 0.4921, 0.3796**, and if you desaturate by 10%, it is **37.0056, 0.4222, 0.3682**.

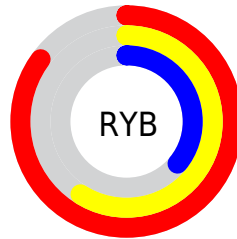
Distribution



Red (85%)

Green (52%)

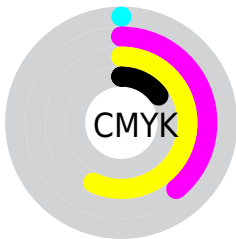
Blue (36%)



Red (85%)

Yellow (59%)

Blue (36%)

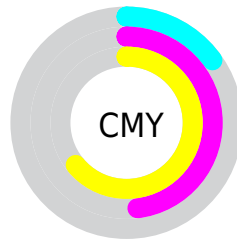


Cyan (0%)

Magenta (39%)

Yellow (57%)

Black (15%)



Cyan (15%)


Magenta (48%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1983, 0.4559, 0.3751 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 32.1983, 0.4559, 0.3751 by changing the saturation by 10% instead.


 32.1983, 0.4559,
0.3751

 32.1983, 0.4559,
0.3751


312.0216, 0.3802,
0.3555


 21.5130, 0.4754,
0.3782


 63.1218, 0.4278,
0.3692


 13.4995, 0.5004,
0.3807


 84.1289, 0.4174,
0.3666

 7.7734, 0.5330,
0.3814


 109.3453, 0.4086,
0.3642

 3.9503, 0.5819,
0.3804

 139.1554, 0.4012,
0.3621

 1.6458, 0.6389,
0.3611

173.9437, 0.3948,
0.3602

 0.3882, 0.7404,
0.2596

214.0946, 0.3893,

 0.0000, 1.0000,

0.3585

0.0000

259.9924, 0.3845,
0.3570

■ 0.0000, 0.0000,
0.0000

■ 32.1983, 0.4559,
0.3751

■ 32.1983, 0.4559,
0.3751

■ 28.0886, 0.4921,
0.3796

■ 37.0056, 0.4222,
0.3682

■ 24.6372, 0.5284,
0.3804

■ 42.5373, 0.3920,
0.3601

■ 21.8077, 0.5617,
0.3767

■ 48.8249, 0.3659,
0.3515

■ 19.5564, 0.5886,
0.3682

■ 55.8962, 0.3436,
0.3429

■ 19.0435, 0.5950,
0.3658

■ 63.7778, 0.3247,
0.3347

■ 72.4949, 0.3087,
0.3270

■ 82.0715, 0.2953,
0.3199

■ 91.7079, 0.2904,
0.3258

■ 93.6411, 0.2906,
0.3289

Harmonies

Analogous

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



32.1983, 0.4350, 0.3215



32.1983, 0.4559, 0.3751



32.1983, 0.4332, 0.4257

Triad

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



32.1983, 0.4559, 0.3751



32.1983, 0.2460, 0.3944



32.1983, 0.2389, 0.2199

Complementary

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



32.1983, 0.4559, 0.3751



39.6054, 0.2293, 0.2730

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.



32.1983, 0.1999, 0.2256



32.1983, 0.4559, 0.3751



32.1983, 0.2027, 0.3183

Square

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



32.1983, 0.4559, 0.3751



32.1983, 0.3104, 0.4508



32.1983, 0.1875, 0.2578



32.1983, 0.3015, 0.2371

Rectangle

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



32.1983, 0.4559, 0.3751



32.1983, 0.3995, 0.4510



32.1983, 0.1875, 0.2578



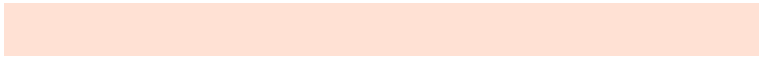
32.1983, 0.2230, 0.2191

Sweetspot

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



32.1999, 0.4559, 0.3751



79.9475, 0.3432, 0.3427



26.0438, 0.3623, 0.2296



16.6537, 0.3474, 0.3444



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.



32.1999, 0.4559, 0.3751



38.8741, 0.5004, 0.3801



53.8208, 0.4098, 0.4416



13.7116, 0.3284, 0.3364



11.5821, 0.5923, 0.3679



0.9016, 0.5602, 0.3934

Inverse Universe

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



39.6054, 0.2293, 0.2730



50.2184, 0.2159, 0.2585



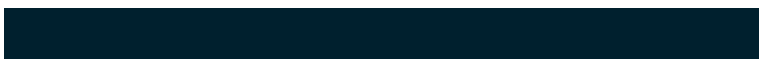
20.3421, 0.2093, 0.1801



14.1078, 0.2982, 0.3215



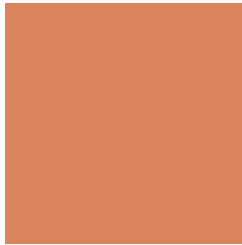
16.2862, 0.1956, 0.2242



1.2063, 0.2009, 0.2433

Previews

White Background



This preview shows how the Yxy color 32.1983, 0.4559, 0.3751 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 32.1983, 0.4559, 0.3751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

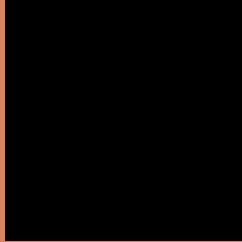
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.1983, 0.4559, 0.3751

Background



This preview shows how black text looks on a background with the Yxy color 32.1983, 0.4559, 0.3751.



This preview shows how white text looks on a background with the Yxy color 32.1983, 0.4559, 0.3751.

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

32.1983, 0.4559, 0.3751

Protanopia

32.2860, 0.3764, 0.4066

Deuteranopia

32.2970, 0.4154, 0.4063



Tritanopia

32.3285, 0.4123, 0.3185

Trichromacy



Original Color

32.1983, 0.4559, 0.3751

Protanomaly

31.8977, 0.4051, 0.3942

Deuteranomaly

32.2434, 0.4302, 0.3950

Tritanomaly

32.2722, 0.4296, 0.3401

Monochromacy



Original Color

32.1983, 0.4559, 0.3751

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.2366, 0.3619, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1983, 0.4559, 0.3751 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(218, 132, 93)` looks like.

```
.text, #text, p{  
    color:rgb(218, 132, 93)  
}
```

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(218, 132, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 132, 93) }
```

Border

The CSS property to change the border of an element to Yxy 32.1983, 0.4559, 0.3751 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(218, 132, 93) }
```

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

```
.border{ border-color:rgb(218, 132, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 132, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 132, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 132, 93);  
box-shadow:4px 4px 4px 4px rgb(218, 132,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1983, 0.4559, 0.3751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 132, 93) }
```

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

```
.background{ background-color: rgb(218,  
132, 93) }
```

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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