

Converting Colors

$Y_{xy}(32.7818, 0.4522, 0.3753)$

Have a look what the booklet for
Yxy(32.7818, 0.4522, 0.3753)
contains.

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Color

Yxy(32.7818, 0.4522, 0.3753)

Conversions

Conversions Part 1

Format	Color
Hex	DA865F
RGB	218, 134, 95
RGB Percent	85%, 53%, 37%
CMY	0.1452, 0.4744, 0.6275
CMYK	0.00, 0.39, 0.56, 0.15
HSL	19°, 62%, 61%
HSV	19°, 56%, 85%
XYZ	39.4989, 32.7818, 15.0676
YIQ	154.6700, 62.5830, 5.6790

Conversions

Conversions Part 2

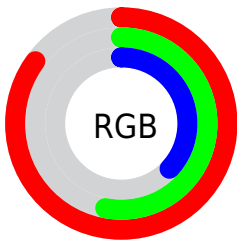
Format	Color
R _Y B	218, 152, 95
Decimal	14321247
CIE Lab	63.98, 28.37, 34.45
CIE LCh	64, 44.629, 50.537
Yxy	32.7818, 0.4522, 0.3753
Android (android.graphics.Color)	4292511327 (0xFFDA865F)
YUV	154.6700, -29.4173, 55.5404
Hunter-Lab	57.2554, 22.9452, 24.4758

Details

The Yxy color **32.7818, 0.4522, 0.3753** 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 **39.7101, 0.2302, 0.2731**, and the grayscale version is **32.7372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3018, 0.4052, 0.3731**, and **13.7708, 0.4951, 0.3804** is the 20% darker color. If you saturate the color by 10%, you get **28.6124, 0.4880, 0.3802**, and if you desaturate by 10%, it is **37.6442, 0.4189, 0.3682**.

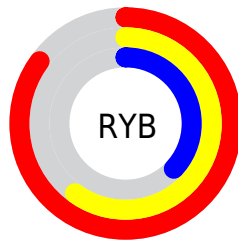
Distribution



Red (85%)

Green (53%)

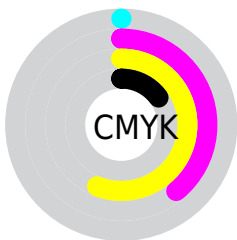
Blue (37%)



Red (85%)

Yellow (60%)

Blue (37%)

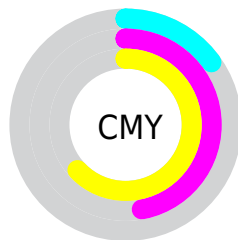


Cyan (0%)

Magenta (39%)

Yellow (56%)

Black (15%)



Cyan (15%)


Magenta (47%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7818, 0.4522, 0.3753 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 32.7818, 0.4522, 0.3753 by changing the saturation by 10% instead.


 32.7818, 0.4522,
0.3753


 32.7818, 0.4522,
0.3753


314.6654, 0.3786,
0.3554


 21.9593, 0.4711,
0.3785


 64.0347, 0.4249,
0.3692


 13.8270, 0.4954,
0.3814


 85.2340, 0.4148,
0.3666

 8.0005, 0.5272,
0.3827


 110.6609, 0.4063,
0.3642

 4.0952, 0.5732,
0.3818

 140.7000, 0.3991,
0.3620

 1.7270, 0.6329,
0.3671

175.7356, 0.3929,
0.3601

 0.4410, 0.7213,
0.2787

216.1521, 0.3875,

 0.0000, 1.0000,

0.3584

0.0000

262.3339, 0.3828,
0.3568

0.0000, 0.0000,
0.0000

32.7818, 0.4522,
0.3753

32.7818, 0.4522,
0.3753

28.6124, 0.4880,
0.3802

37.6442, 0.4189,
0.3682

25.0975, 0.5242,
0.3815

43.2256, 0.3893,
0.3598

22.2019, 0.5577,
0.3782

49.5567, 0.3636,
0.3510

19.8838, 0.5851,
0.3701

56.6649, 0.3417,
0.3423

19.1809, 0.5937,
0.3668

64.5761, 0.3231,
0.3340

■ 73.3149, 0.3074,
0.3263

■ 82.9049, 0.2942,
0.3192

■ 92.4086, 0.2905,
0.3270

■ 93.6422, 0.2906,
0.3289

Harmonies

Analogous

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



32.7818, 0.4324, 0.3228



32.7818, 0.4522, 0.3753



32.7818, 0.4297, 0.4244

Triad

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



32.7818, 0.4522, 0.3753



32.7818, 0.2469, 0.3914



32.7818, 0.2416, 0.2225

Complementary

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



32.7818, 0.4522, 0.3753



39.7101, 0.2302, 0.2731

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.



32.7818, 0.2029, 0.2277



32.7818, 0.4522, 0.3753



32.7818, 0.2049, 0.3176

Square

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



32.7818, 0.4522, 0.3753



32.7818, 0.3096, 0.4467



32.7818, 0.1903, 0.2590



32.7818, 0.3031, 0.2396

Rectangle

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



32.7818, 0.4522, 0.3753



32.7818, 0.3967, 0.4485



32.7818, 0.1903, 0.2590



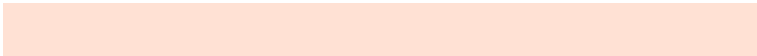
32.7818, 0.2259, 0.2216

Sweetspot

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



32.7835, 0.4522, 0.3753



80.0673, 0.3431, 0.3429



26.3393, 0.3639, 0.2330



16.6818, 0.3474, 0.3447



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.



32.7835, 0.4522, 0.3753



39.6503, 0.4959, 0.3808



54.9513, 0.4070, 0.4421



13.7226, 0.3284, 0.3365



11.6654, 0.5910, 0.3689



0.9081, 0.5589, 0.3944

Inverse Universe

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



39.7101, 0.2302, 0.2731



50.2891, 0.2166, 0.2585



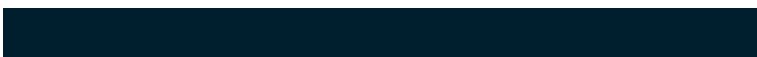
20.3396, 0.2103, 0.1798



14.0963, 0.2982, 0.3214



16.0761, 0.1951, 0.2224



1.1939, 0.2005, 0.2419

Previews

White Background



This preview shows how the Yxy color 32.7818, 0.4522, 0.3753 looks on a white background.

Color Contrast Check

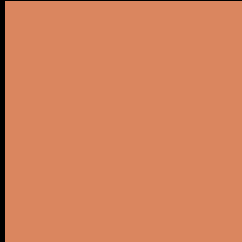
Large Text (above 18pt) WCAG AA × Fail

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 32.7818, 0.4522, 0.3753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

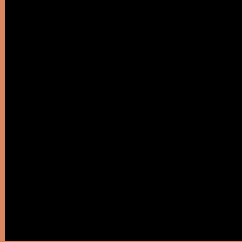
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7818, 0.4522, 0.3753

Background



This preview shows how black text looks on a background with the Yxy color 32.7818, 0.4522, 0.3753.



This preview shows how white text looks on a background with the Yxy color 32.7818, 0.4522, 0.3753.

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

32.7818, 0.4522, 0.3753

Protanopia

32.8570, 0.3772, 0.4059

Deuteranopia

32.7713, 0.4139, 0.4048



Tritanopia

32.6455, 0.4094, 0.3173

Trichromacy



Original Color

32.7818, 0.4522, 0.3753

Protanomaly

32.3523, 0.4046, 0.3939

Deuteranomaly

32.7146, 0.4285, 0.3936

Tritanomaly

32.5860, 0.4266, 0.3390

Monochromacy



Original Color

32.7818, 0.4522, 0.3753

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.0259, 0.3602, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7818, 0.4522, 0.3753 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, 134, 95)` looks like.

```
.text, #text, p{  
    color:rgb(218, 134, 95)  
}
```

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, 134, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 134, 95) }
```

Border

The CSS property to change the border of an element to Yxy 32.7818, 0.4522, 0.3753 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, 134, 95) }
```

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

```
.border{ border-color:rgb(218, 134, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 134, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 134, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 134, 95);  
box-shadow:4px 4px 4px 4px rgb(218, 134,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7818, 0.4522, 0.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 134, 95) }
```

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

```
.background{ background-color: rgb(218,  
134, 95) }
```

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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