

Converting Colors

$Y_{xy}(31.8691, 0.4555, 0.3723)$

Have a look what the booklet for
Yxy(31.8691, 0.4555, 0.3723)
contains.

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Color

Yxy(31.9462, 0.4557, 0.3728)

Conversions

Conversions Part 1

Format	Color
Hex	DA835E
RGB	218, 131, 94
RGB Percent	85%, 51%, 37%
CMY	0.1451, 0.4863, 0.6314
CMYK	0.00, 0.40, 0.57, 0.15
HSL	18°, 63%, 61%
HSV	18°, 57%, 85%
XYZ	39.0501, 31.9462, 14.6963
YIQ	152.7950, 63.7290, 6.9370

Conversions

Conversions Part 2

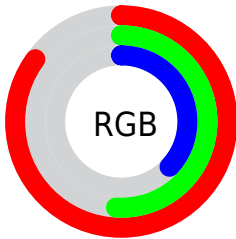
Format	Color
R_{YB}	218, 147, 94
Decimal	14320478
CIE _{Lab}	63.30, 29.90, 34.13
CIE _{LCh}	63, 45.375, 48.778
Yxy	31.9462, 0.4557, 0.3728
Android (android.graphics.Color)	4292510558 (0xFFDA835E)
YUV	152.7950, -28.9859, 57.1848
Hunter-Lab	56.5210, 24.4133, 24.1484

Details

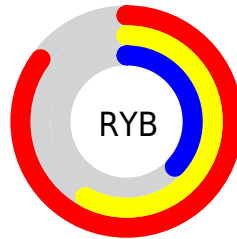
The Yxy color **31.9462, 0.4557, 0.3728** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **40.4849, 0.2304, 0.2761**, and the grayscale version is **31.8699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.0023, 0.4075, 0.3710**, and **13.3135, 0.5006, 0.3769** is the 20% darker color. If you saturate the color by 10%, you get **27.8006, 0.4924, 0.3771**, and if you desaturate by 10%, it is **36.8120, 0.4216, 0.3662**.

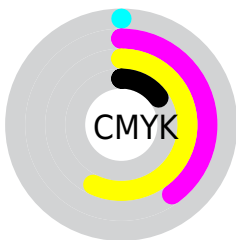
Distribution



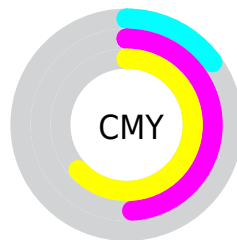
- Red (85%)
- Green (51%)
- Blue (37%)



- Red (85%)
- Yellow (58%)
- Blue (37%)



- Cyan (0%)
- Magenta (40%)
- Yellow (57%)
- Black (15%)





- Cyan (15%)
- Magenta (49%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9462, 0.4557, 0.3728 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 31.9462, 0.4557, 0.3728 by changing the saturation by 10% instead.


 31.9462, 0.4557,
0.3728


 31.9462, 0.4557,
0.3728


310.8741, 0.3799,
0.3544

 21.3204, 0.4753,
0.3756


 62.7267, 0.4275,
0.3673


 13.3584, 0.5005,
0.3779


 83.6503, 0.4171,
0.3648

 7.6758, 0.5336,
0.3782


 108.7752, 0.4083,
0.3626

 3.8882, 0.5827,
0.3764

 138.4859, 0.4009,
0.3606

 1.6112, 0.6426,
0.3574

173.1667, 0.3945,
0.3588

 0.3652, 0.7507,
0.2493

213.2021, 0.3890,

 0.0000, 1.0000,

0.3572

0.0000

258.9764, 0.3842,
0.3557

0.0000, 0.0000,
0.0000

31.9462, 0.4557,
0.3728

31.9462, 0.4557,
0.3728

27.8006, 0.4924,
0.3771

36.8120, 0.4216,
0.3662

24.3342, 0.5295,
0.3779

42.4264, 0.3913,
0.3584

21.5090, 0.5635,
0.3742

48.8220, 0.3650,
0.3501

19.2797, 0.5909,
0.3659

56.0282, 0.3427,
0.3419

18.6936, 0.5984,
0.3631

64.0727, 0.3239,
0.3341

■ 72.9817, 0.3081,
0.3268

■ 82.7805, 0.2947,
0.3201

■ 92.6001, 0.2905,
0.3273

■ 93.6455, 0.2906,
0.3289

Harmonies

Analogous

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



31.9462, 0.4329, 0.3193



31.9462, 0.4557, 0.3728



31.9462, 0.4347, 0.4237

Triad

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



31.9462, 0.4557, 0.3728



31.9462, 0.2485, 0.3974



31.9462, 0.2369, 0.2198

Complementary

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



31.9462, 0.4557, 0.3728



40.4849, 0.2304, 0.2761

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.



31.9462, 0.1990, 0.2265



31.9462, 0.4557, 0.3728



31.9462, 0.2041, 0.3214

Square

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



31.9462, 0.4557, 0.3728



31.9462, 0.3133, 0.4520



31.9462, 0.1877, 0.2599



31.9462, 0.2986, 0.2361

Rectangle

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



31.9462, 0.4557, 0.3728



31.9462, 0.4019, 0.4496



31.9462, 0.1877, 0.2599



31.9462, 0.2214, 0.2193

Sweetspot

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



31.9478, 0.4557, 0.3728



79.6240, 0.3433, 0.3421



26.3233, 0.3592, 0.2281



16.5779, 0.3475, 0.3438



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.



31.9478, 0.4557, 0.3728



38.7352, 0.4989, 0.3775



53.0331, 0.4104, 0.4389



13.6818, 0.3284, 0.3360



11.3639, 0.5957, 0.3652



0.8846, 0.5634, 0.3908

Inverse Universe

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



40.4849, 0.2304, 0.2761



51.8243, 0.2177, 0.2630



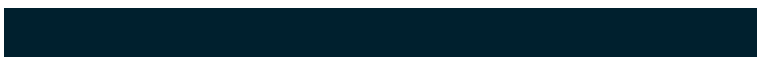
21.0829, 0.2108, 0.1844



14.1391, 0.2982, 0.3219



16.8650, 0.1970, 0.2292



1.2403, 0.2021, 0.2474

Previews

White Background



This preview shows how the Yxy color 31.9462, 0.4557, 0.3728 looks on a white background.

Color Contrast Check

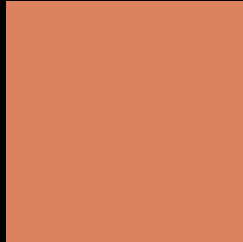
Large Text (above 18pt) WCAG AA × Fail

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 31.9462, 0.4557, 0.3728 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 31.9462, 0.4557, 0.3728

Background



This preview shows how black text looks on a background with the Yxy color 31.9462, 0.4557, 0.3728.



This preview shows how white text looks on a background with the Yxy color 31.9462, 0.4557, 0.3728.

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

31.9462, 0.4557, 0.3728

Protanopia

32.3060, 0.3755, 0.4052

Deuteranopia

32.1876, 0.4134, 0.4055



Tritanopia

32.0431, 0.4140, 0.3185

Trichromacy



Original Color

31.9462, 0.4557, 0.3728

Protanomaly

31.9170, 0.4041, 0.3929

Deuteranomaly

31.8282, 0.4289, 0.3929

Tritanomaly

32.0101, 0.4302, 0.3389

Monochromacy



Original Color

31.9462, 0.4557, 0.3728

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

31.2639, 0.3609, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9462, 0.4557, 0.3728 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, 131, 94)` looks like.

```
.text, #text, p{  
    color:rgb(218, 131, 94)  
}
```

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, 131, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 131, 94) }
```

Border

The CSS property to change the border of an element to Yxy 31.9462, 0.4557, 0.3728 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, 131, 94) }
```

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

```
.border{ border-color:rgb(218, 131, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 131, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 131, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 131, 94);  
box-shadow:4px 4px 4px 4px rgb(218, 131,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9462, 0.4557, 0.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 131, 94) }
```

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

```
.background{ background-color: rgb(218,  
131, 94) }
```

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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