

Converting Colors

$Y_{xy}(35.2436, 0.4752, 0.3938)$

Have a look what the booklet for
Yxy(35.2436, 0.4752, 0.3938)
contains.

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Color

Yxy(35.2210, 0.4747, 0.3938)

Conversions

Conversions Part 1

Format	Color
Hex	E48A4E
RGB	228, 138, 78
RGB Percent	89%, 54%, 31%
CMY	0.1059, 0.4588, 0.6943
CMYK	0.00, 0.39, 0.66, 0.11
HSL	24°, 74%, 60%
HSV	24°, 66%, 89%
XYZ	42.4566, 35.2210, 11.7612
YIQ	158.0700, 72.9000, 0.4200

Conversions

Conversions Part 2

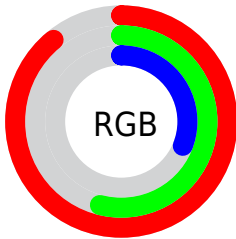
Format	Color
R _Y B	228, 178, 78
Decimal	14977614
CIE Lab	65.92, 29.11, 45.99
CIE LCh	66, 54.430, 57.671
Yxy	35.2210, 0.4747, 0.3938
Android (android.graphics.Color)	4293167694 (0xFFE48A4E)
YUV	158.0700, -39.4745, 61.3286
Hunter-Lab	59.3473, 23.8398, 29.7932

Details

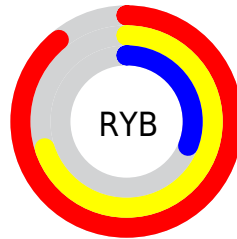
The Yxy color **35.2210, 0.4747, 0.3938** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **35.2058, 0.2149, 0.2430**, and the grayscale version is **34.3830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5443, 0.4168, 0.3940**, and **15.2299, 0.5196, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **31.2704, 0.5070, 0.3970**, and if you desaturate by 10%, it is **39.7826, 0.4426, 0.3869**.

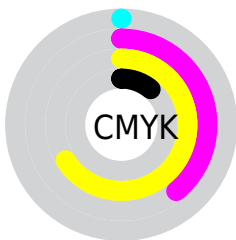
Distribution



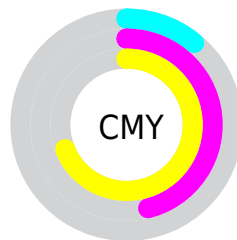
- Red (89%)
- Green (54%)
- Blue (31%)



- Red (89%)
- Yellow (70%)
- Blue (31%)



- Cyan (0%)
- Magenta (39%)
- Yellow (66%)
- Black (11%)





- Cyan (11%)
- Magenta (46%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2210, 0.4747, 0.3938 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 35.2210, 0.4747, 0.3938 by changing the saturation by 10% instead.


 35.2210, 0.4747,
0.3938


 35.2210, 0.4747,
0.3938

325.5427, 0.3918,
0.3672


 23.8332, 0.4946,
0.3976


 67.8280, 0.4448,
0.3861

 15.2099, 0.5192,
0.4004


 89.8159, 0.4334,
0.3825


 8.9668, 0.5494,
0.4005


 116.1060, 0.4238,
0.3793

 4.7196, 0.5980,
0.4020

 147.0827, 0.4155,
0.3764

 2.0837, 0.6283,
0.3717

 183.1303, 0.4084,
0.3737

 0.6554, 0.6865,
0.3135

224.6332, 0.4021,

 0.0000, 1.0000,

0.3713

0.0000

271.9759, 0.3966,
0.3692

0.0000, 0.0000,
0.0000

35.2210, 0.4747,
0.3938

35.2210, 0.4747,
0.3938

31.2704, 0.5070,
0.3970

39.7826, 0.4426,
0.3869

27.8947, 0.5371,
0.3952

44.9777, 0.4124,
0.3776

25.0612, 0.5624,
0.3881

50.8339, 0.3851,
0.3670


24.0183, 0.5719,
0.3841


57.3753, 0.3609,
0.3560

64.6249, 0.3400,
0.3451

 72.6042, 0.3220,
0.3347

 81.3341, 0.3065,
0.3250

 90.4842, 0.2963,
0.3213

 95.2333, 0.2964,
0.3290

Harmonies

Analogous

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



35.2210, 0.4654, 0.3336



35.2210, 0.4747, 0.3938



35.2210, 0.4359, 0.4501

Triad

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



35.2210, 0.4747, 0.3938



35.2210, 0.2202, 0.3826



35.2210, 0.2438, 0.2085

Complementary

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



35.2210, 0.4747, 0.3938



35.2058, 0.2149, 0.2430

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.



35.2210, 0.1933, 0.2072



35.2210, 0.4747, 0.3938



35.2210, 0.1802, 0.2944

Square

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



35.2210, 0.4747, 0.3938



35.2210, 0.2881, 0.4608



35.2210, 0.1719, 0.2342



35.2210, 0.3204, 0.2335

Rectangle

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



35.2210, 0.4747, 0.3938



35.2210, 0.3922, 0.4764



35.2210, 0.1719, 0.2342



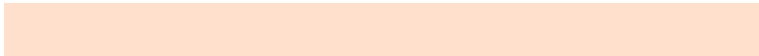
35.2210, 0.2237, 0.2052

Sweetspot

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



35.2228, 0.4747, 0.3938



79.1524, 0.3487, 0.3498



24.7634, 0.3936, 0.2333



16.3804, 0.3547, 0.3528



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.



35.2228, 0.4747, 0.3938



38.6209, 0.5185, 0.3969



64.6276, 0.4129, 0.4668



15.3099, 0.3282, 0.3385



14.0869, 0.5692, 0.3863



1.2188, 0.5425, 0.4074

Inverse Universe

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



35.2058, 0.2149, 0.2430



38.4088, 0.2005, 0.2216



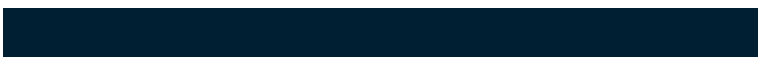
15.0423, 0.1892, 0.1352



15.3178, 0.2981, 0.3194



13.7623, 0.1868, 0.1926



1.1976, 0.1930, 0.2146

Previews

White Background



This preview shows how the Yxy color 35.2210, 0.4747, 0.3938 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 35.2210, 0.4747, 0.3938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

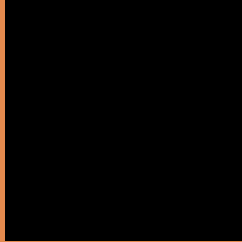
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2210, 0.4747, 0.3938

Background



This preview shows how black text looks on a background with the Yxy color 35.2210, 0.4747, 0.3938.



This preview shows how white text looks on a background with the Yxy color 35.2210, 0.4747, 0.3938.

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

35.2210, 0.4747, 0.3938

Protanopia

35.4927, 0.3978, 0.4342

Deuteranopia

35.2826, 0.4348, 0.4272



Tritanopia

35.2819, 0.4171, 0.3190

Trichromacy



Original Color

35.2210, 0.4747, 0.3938

Protanomaly

35.1274, 0.4263, 0.4197

Deuteranomaly

35.2431, 0.4497, 0.4154

Tritanomaly

35.3235, 0.4411, 0.3487

Monochromacy



Original Color

35.2210, 0.4747, 0.3938

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.7855, 0.3684, 0.3601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2210, 0.4747, 0.3938 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, 138, 78)` looks like.

```
.text, #text, p{  
    color:rgb(228, 138, 78)  
}
```

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, 138, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 138, 78) }
```

Border

The CSS property to change the border of an element to Yxy 35.2210, 0.4747, 0.3938 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, 138, 78) }
```

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

```
.border{ border-color:rgb(228, 138, 78) }
```

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

Here you see how a box with a 4 pixel rgb(228, 138, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 138, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 138, 78);  
box-shadow:4px 4px 4px 4px rgb(228, 138,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2210, 0.4747, 0.3938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 138, 78) }
```

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

```
.background{ background-color: rgb(228,  
138, 78) }
```

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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