

Converting Colors

$Y_{xy}(37.7224, 0.4722, 0.3987)$

Have a look what the booklet for
Yxy(37.7224, 0.4722, 0.3987)
contains.

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Color

Yxy(37.6524, 0.4727, 0.3988)

Conversions

Conversions Part 1

Format	Color
Hex	E8904E
RGB	232, 144, 78
RGB Percent	91%, 56%, 31%
CMY	0.0902, 0.4353, 0.6939
CMYK	0.00, 0.38, 0.66, 0.09
HSL	26°, 77%, 61%
HSV	26°, 66%, 91%
XYZ	44.6296, 37.6524, 12.1322
YIQ	162.7880, 73.6340, -1.8700

Conversions

Conversions Part 2

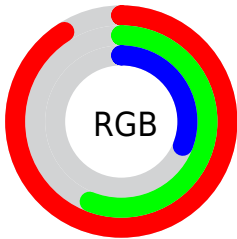
Format	Color
R _Y B	232, 194, 78
Decimal	15241294
CIE Lab	67.76, 27.58, 48.18
CIE LCh	68, 55.513, 60.215
Yxy	37.6524, 0.4727, 0.3988
Android (android.graphics.Color)	4293431374 (0xFFE8904E)
YUV	162.7880, -41.8005, 60.6989
Hunter-Lab	61.3616, 22.4443, 31.2304

Details

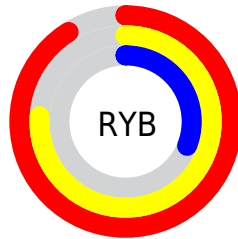
The Yxy color **37.6524, 0.4727, 0.3988** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **34.7397, 0.2126, 0.2355**, and the grayscale version is **36.6987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2331, 0.4135, 0.3998**, and **16.6832, 0.5152, 0.4067** is the 20% darker color. If you saturate the color by 10%, you get **33.5938, 0.5035, 0.4023**, and if you desaturate by 10%, it is **42.3042, 0.4418, 0.3914**.

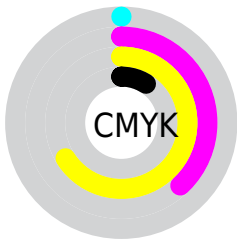
Distribution



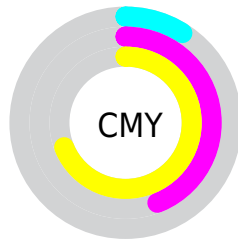
- Red (91%)
- Green (56%)
- Blue (31%)



- Red (91%)
- Yellow (76%)
- Blue (31%)



- Cyan (0%)
- Magenta (38%)
- Yellow (66%)
- Black (9%)





- Cyan (9%)
- Magenta (44%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6524, 0.4727, 0.3988 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 37.6524, 0.4727, 0.3988 by changing the saturation by 10% instead.


 37.6524, 0.4727,
0.3988


 37.6524, 0.4727,
0.3988


336.1265, 0.3919,
0.3700

 25.7130, 0.4917,
0.4031


 71.5750, 0.4439,
0.3903

 16.6091, 0.5149,
0.4066


 94.3271, 0.4329,
0.3865


 9.9562, 0.5431,
0.4078


 121.4522, 0.4235,
0.3830

 5.3699, 0.5887,
0.4113

 153.3346, 0.4154,
0.3799

 2.4659, 0.6153,
0.3847

 190.3589, 0.4083,
0.3770

 0.8595, 0.6603,
0.3397

232.9094, 0.4022,

 0.0000, 1.0000,

0.3744

0.0000

281.3704, 0.3968,
0.3721

0.0000, 0.0000,
0.0000

37.6524, 0.4727,
0.3988

37.6524, 0.4727,
0.3988

33.5938, 0.5035,
0.4023

42.3042, 0.4418,
0.3914

30.0932, 0.5321,
0.4008

47.5699, 0.4124,
0.3815


27.1193, 0.5560,
0.3937


53.4761, 0.3856,
0.3703


26.1537, 0.5639,
0.3904


60.0457, 0.3618,
0.3585

67.3004, 0.3409,
0.3469

 75.2609, 0.3229,
0.3357

 83.9468, 0.3073,
0.3253

 92.8069, 0.2987,
0.3241

 95.8965, 0.2988,
0.3290

Harmonies

Analogous

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



37.6524, 0.4679, 0.3386



37.6524, 0.4727, 0.3988



37.6524, 0.4307, 0.4540

Triad

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



37.6524, 0.4727, 0.3988



37.6524, 0.2158, 0.3746



37.6524, 0.2496, 0.2100

Complementary

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



37.6524, 0.4727, 0.3988



34.7397, 0.2126, 0.2355

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.



37.6524, 0.1967, 0.2066



37.6524, 0.4727, 0.3988



37.6524, 0.1786, 0.2881

Square

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



37.6524, 0.4727, 0.3988



37.6524, 0.2818, 0.4556



37.6524, 0.1729, 0.2309



37.6524, 0.3277, 0.2368

Rectangle

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



37.6524, 0.4727, 0.3988



37.6524, 0.3858, 0.4782



37.6524, 0.1729, 0.2309



37.6524, 0.2287, 0.2060

Sweetspot

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



37.6543, 0.4727, 0.3988



79.9295, 0.3484, 0.3512



25.4342, 0.3983, 0.2353



16.5654, 0.3543, 0.3545



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.



37.6543, 0.4727, 0.3988



39.7883, 0.5155, 0.4023



68.4614, 0.4119, 0.4697



15.3781, 0.3282, 0.3391



14.7577, 0.5612, 0.3926



1.2718, 0.5355, 0.4130

Inverse Universe

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



34.7397, 0.2126, 0.2355



35.7850, 0.1974, 0.2119



14.9099, 0.1874, 0.1303



15.2480, 0.2981, 0.3187



12.7437, 0.1841, 0.1827



1.1252, 0.1906, 0.2061

Previews

White Background



This preview shows how the Yxy color 37.6524, 0.4727, 0.3988 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 37.6524, 0.4727, 0.3988 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 37.6524, 0.4727, 0.3988

Background



This preview shows how black text looks on a background with the Yxy color 37.6524, 0.4727, 0.3988.



This preview shows how white text looks on a background with the Yxy color 37.6524, 0.4727, 0.3988.

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

37.6524, 0.4727, 0.3988

Protanopia

37.9956, 0.4005, 0.4373

Deuteranopia

37.6011, 0.4376, 0.4273



Tritanopia

37.5165, 0.4118, 0.3180

Trichromacy



Original Color

37.6524, 0.4727, 0.3988

Protanomaly

37.4804, 0.4273, 0.4233

Deuteranomaly

37.4253, 0.4511, 0.4163

Tritanomaly

37.5079, 0.4375, 0.3495

Monochromacy



Original Color

37.6524, 0.4727, 0.3988

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.1342, 0.3687, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6524, 0.4727, 0.3988 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(232, 144, 78)` looks like.

```
.text, #text, p{  
    color:rgb(232, 144, 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(232, 144, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 144, 78) }
```

Border

The CSS property to change the border of an element to Yxy 37.6524, 0.4727, 0.3988 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(232, 144, 78) }
```

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

```
.border{ border-color:rgb(232, 144, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 144, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 144, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 144, 78);  
box-shadow:4px 4px 4px 4px rgb(232, 144,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6524, 0.4727, 0.3988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 144, 78) }
```

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

```
.background{ background-color: rgb(232,  
144, 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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