

Converting Colors

$Yxy(37.6604, 0.4698, 0.4095)$

Have a look what the booklet for
Yxy(37.6604, 0.4698, 0.4095)
contains.

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Color

Yxy(37.6662, 0.4701, 0.4091)

Conversions

Conversions Part 1

Format	Color
Hex	E39348
RGB	227, 147, 72
RGB Percent	89%, 58%, 28%
CMY	0.1098, 0.4235, 0.7176
CMYK	0.00, 0.35, 0.68, 0.11
HSL	29°, 73%, 59%
HSV	29°, 68%, 89%
XYZ	43.2825, 37.6662, 11.1222
YIQ	162.3700, 71.7550, -6.3650

Conversions

Conversions Part 2

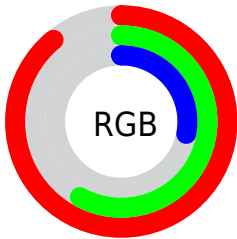
Format	Color
RYB	227, 217, 72
Decimal	14914376
CIELab	67.77, 23.58, 50.95
CIELCh	68, 56.139, 65.162
Yxy	37.6662, 0.4701, 0.4091
Android (android.graphics.Color)	4293104456 (0xFFE39348)
YUV	162.3700, -44.5524, 56.6805
Hunter-Lab	61.3728, 18.4829, 32.2162

Details

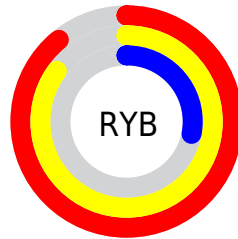
The Yxy color **37.6662, 0.4701, 0.4091** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **29.3841, 0.2072, 0.2192**, and the grayscale version is **36.5037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4633, 0.4161, 0.4083**, and **16.6317, 0.5102, 0.4191** is the 20% darker color. If you saturate the color by 10%, you get **33.9640, 0.4978, 0.4130**, and if you desaturate by 10%, it is **41.8527, 0.4416, 0.4011**.

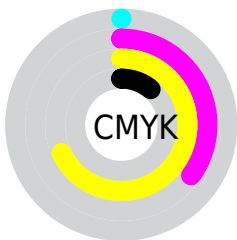
Distribution



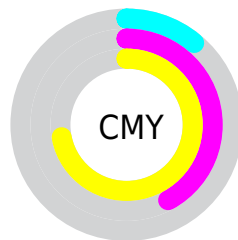
- Red (89%)
- Green (58%)
- Blue (28%)



- Red (89%)
- Yellow (85%)
- Blue (28%)



- Cyan (0%)
- Magenta (35%)
- Yellow (68%)
- Black (11%)



- Cyan (11%)
- Magenta (42%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.6662, 0.4701, 0.4091 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 37.6662, 0.4701, 0.4091 by changing the saturation by 10% instead.


 37.6662, 0.4701,
0.4091


 37.6662, 0.4701,
0.4091


336.1859, 0.3913,
0.3752

 25.7237, 0.4883,
0.4145


 71.5962, 0.4423,
0.3988


 16.6171, 0.5101,
0.4193


 94.3526, 0.4315,
0.3943


 9.9618, 0.5362,
0.4218


 121.4823, 0.4223,
0.3902

 5.3737, 0.5751,
0.4249

 153.3698, 0.4144,
0.3866

 2.4681, 0.5986,
0.4014

 190.3996, 0.4075,
0.3833

 0.8606, 0.6389,
0.3611

232.9559, 0.4014,

 0.0000, 1.0000,

0.3803

0.0000

281.4232, 0.3961,
0.3776

0.0000, 0.0000,
0.0000

37.6662, 0.4701,
0.4091

37.6662, 0.4701,
0.4091

33.9640, 0.4978,
0.4130

41.8527, 0.4416,
0.4011

30.7166, 0.5229,
0.4116

46.5392, 0.4140,
0.3903


27.8961, 0.5440,
0.4049

51.7472, 0.3883,
0.3778


27.4472, 0.5474,
0.4035

57.4950, 0.3649,
0.3647

63.8000, 0.3442,
0.3516

 70.6785, 0.3260,
0.3389

 78.1459, 0.3101,
0.3270

 86.2174, 0.2964,
0.3159

 93.4573, 0.2958,
0.3264

Harmonies

Analogous

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



37.6662, 0.4742, 0.3484



37.6662, 0.4701, 0.4091



37.6662, 0.4215, 0.4626

Triad

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



37.6662, 0.4701, 0.4091



37.6662, 0.2063, 0.3596



37.6662, 0.2604, 0.2118

Complementary

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



37.6662, 0.4701, 0.4091



29.3841, 0.2072, 0.2192

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.



37.6662, 0.2024, 0.2042



37.6662, 0.4701, 0.4091



37.6662, 0.1742, 0.2756

Square

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



37.6662, 0.4701, 0.4091



37.6662, 0.2689, 0.4464



37.6662, 0.1736, 0.2236



37.6662, 0.3423, 0.2424

Rectangle

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



37.6662, 0.4701, 0.4091



37.6662, 0.3739, 0.4829



37.6662, 0.1736, 0.2236



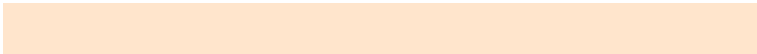
37.6662, 0.2379, 0.2066

Sweetspot

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



37.6681, 0.4701, 0.4091



81.4794, 0.3479, 0.3540



23.2376, 0.4174, 0.2445



16.9353, 0.3536, 0.3577



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.



37.6681, 0.4701, 0.4091



42.3469, 0.5089, 0.4131



70.3349, 0.4069, 0.4800



15.5132, 0.3280, 0.3404



16.2387, 0.5451, 0.4054



1.3853, 0.5219, 0.4238

Inverse Universe

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



29.3841, 0.2072, 0.2192



30.8524, 0.1913, 0.1922



11.9022, 0.1814, 0.1135



15.1114, 0.2981, 0.3173



10.9117, 0.1788, 0.1636



0.9922, 0.1860, 0.1894

Previews

White Background



This preview shows how the Yxy color 37.6662, 0.4701, 0.4091 looks on a white background.

Color Contrast Check

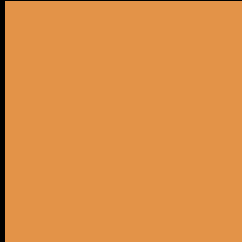
Large Text (above 18pt) WCAG AA × Fail

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 37.6662, 0.4701, 0.4091 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 37.6662, 0.4701, 0.4091

Background



This preview shows how black text looks on a background with the Yxy color 37.6662, 0.4701, 0.4091.



This preview shows how white text looks on a background with the Yxy color 37.6662, 0.4701, 0.4091.

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

37.6662, 0.4701, 0.4091

Protanopia

37.8898, 0.4057, 0.4451

Deuteranopia

37.6654, 0.4429, 0.4324



Tritanopia

37.7910, 0.4031, 0.3178

Trichromacy



Original Color

37.6662, 0.4701, 0.4091

Protanomaly

37.4602, 0.4291, 0.4315

Deuteranomaly

37.5208, 0.4537, 0.4232

Tritanomaly

37.5495, 0.4307, 0.3535

Monochromacy



Original Color

37.6662, 0.4701, 0.4091

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.1380, 0.3692, 0.3679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6662, 0.4701, 0.4091 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(227, 147, 72)` looks like.

```
.text, #text, p{  
    color:rgb(227, 147, 72)  
}
```

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(227, 147, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 147, 72) }
```

Border

The CSS property to change the border of an element to Yxy 37.6662, 0.4701, 0.4091 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(227, 147, 72) }
```

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

```
.border{ border-color:rgb(227, 147, 72) }
```

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

Here you see how a box with a 4 pixel rgb(227, 147, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 147, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 147, 72);  
box-shadow:4px 4px 4px 4px rgb(227, 147,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6662, 0.4701, 0.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 147, 72) }
```

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

```
.background{ background-color: rgb(227,  
147, 72) }
```

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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